



## Registered varieties

Number of Registration: 001

Date of Registration: 2011 03 14

Name of Varieties: *Gorda*

Generation and Species in English and in Latin: *Winter Bread Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Gulnari Chkhutiashvili (GE); Givi Khucishvili (GE);  
Petre Naskidashvili (GE); Nino Jafaridze (GE);  
Nona Sokhashvili (GE)

### Brief Description of Varieties:

Gorda is a winter wheat variety. The plant is a bunch form with reduced numbers and lengths of internodes and its maximal height is 10-12 cm. The leaves are broad and erect. The stems are short, firm and they hardly bend. The spikes are awnless, short (4-5 cm), flat, and dense, in which developed infertile florets are found. The glume of the spikelet is convex. Variety "Gorda" is late for 10-12 days as compared to the regular local check varieties. It is susceptible to leaf rust and powdery mildew. Grain is shriveled and therefore its 1000 kernel weight doesn't exceed 30 grams. Grain wet gluten content is about 27-28%. Gorda represents breeding material of new inheriting property, which can be used for developing short-stature varieties with 2-3 reduced height genes.

Picture:



Status: Registration in force

Number of Registration: 002

Date of Registration: 2011 03 14

Name of Varieties: *Lomtagora 123*

Generation and Species in English and in Latin: *Bread Wheat Triticum aestivum L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Kakha Lashkhi (GE); David Bedoshvili (GE);  
Gulnari Chkhutiashvili (GE); Zaur Julukhidze (GE);  
Zurab Jinjikhadze (GE)

#### Brief Description of Varieties:

„Lomtagora 123" is winter bread wheat variety. Its height average is in (80-85 cm). It is characterized with lodging resistance, higher than average winterhardiness and drought resistance. It is early for 4-5 days as compared to the local checks. Its spikes are easily thrashed and the variety is appropriate for mechanical harvest. It is resistant to rusts and foliar diseases such as septorios and powdery mildew. The spikes are white, awned and have shape of a thimble with length up to 11-12 cm. There are 55-60 grains per spike in average. 1000 kernel weight reaches 52 grams. Grain wet gluten content varies from 20-22%.

“Lomtagora 123” is a high yielding variety. During the three-year evaluation period its yield varied from 50 to 60 ha in average.

“Lomtagora 123” is adapted to all wheat-growing regions of Georgia.

Picture:



Status: Registration in force

Number of Registration: 003

Date of Registration: 2011 03 14

Name of Varieties: *Aisi*

Generation and Species in English and in Latin: *Mulberry* *Morus alba L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE); Liana  
Natsvlishvili (GE); Nazi Tvalchrelidze (GE);  
Tinanin Dalalishvili (GE); Besik Sakandelidze (GE);  
Liana Tabliashvili (GE)

#### Brief Description of Varieties:

Is produced by sowing of seeds polyploid forms of a mulberry- the Triploid 20 and by multi-time strict selection. It is propagated by a scion budding on an annual stock of variety "Kutaturi X", "Gruziniish 4", female.

The plant is characterized by strong crone, direct branches of intensive growth, a branch of a grey color, with moderated internodes, buds of the small dimension, leaves wholly lamellar, of big dimension, with a rough surface, an abundance of growing sprouts on branches, an abundance of leaves, fructification - the average, an exit of seeds from fruits - low (2,1 %), in a leaf mesophyll prevails a spongy parenchyma, cystoliths of the prolate has an oval form, an abundance of additional conducting beams.

It is practically steady against infectious diseases, high-yielding, with high nutritiousness of leaf, it is characterized by edibility, and it is recommended mainly as a leaf kind for propagation to the Western Georgia.

Picture:



Status: Registration in force

Number of Registration: 004

Date of Registration: 2011 03 14

Name of Varieties: *Fazisi*

Generation and Species in English and in Latin: *Mulberry* *Morus alba L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Liana Natsvlishvili (GE);Nazi Tvalchrelidze (GE);  
Tinanin Dalalishvili (GE); Besik Sakandelidze (GE);  
Emzar Choladze (GE)

#### Brief Description of Varieties:

It is produced from seeds of variety „Kutaturi" received by free pollinating, by multi- time strict selection.

Plant of moderate development, masculine , with the opened crone, direct branches in length to 3 meters, brown sprouts, low triangular buds, the heart-shaped form, dark green, leaves of a moderate thickness of a good consistence, an inflorescence cylindrical, with thin flowers, inflorescences are located on branches in bunches.

Interrelation of growing and not growing sprouts on branches is 1:1; it is practically steady against the diseases widespread in the Western Georgia.

Sprouts are characterized by a small-celled anatomical constitution, an abundance of additional conducting beams in medulla of a blast, an abundance of druzen and cystoliths in a leaf mesophyll, an interrelation of humidity to dry matters is (70%:30%) and protein to carbon optimum interrelation is (1:0,9).

The variety is of a leaf direction, tolerant, is characterized with a consistence and nutritiousness of the leaf, recommended for reproduction in region of leaf curliness.

Picture:



Status: Registration in force



Number of Registration: 005

Date of Registration: 2011 05 16

Name of Varieties: *Lomtagora 1*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Zurab Jinjikhadze (GE); Kakha Lashkhi (GE);  
Zaur Julukhidze (GE); Temur Japaridze (GE);  
Nana Lashkhi (GE)

#### Brief Description of Varieties:

Created by crossing inbred line B73 LG with daughter hybrid MO17 X MO17-510. Grain type - cut in, close to teethlike. Grain yellow, mass 1000, grain 341g. Number of rows of grain 16. Form of cop week cone type, caudex of rose color. Height of the plant (including malkin) 277 cm, the number of leaves on the main epigenous 17-19, twist above the ground 16-17. Cop on one plant 1,0. Epigenous and root system are resistant to lying. Vegetation period (germination - complete maturity) forms 128 days. Yield on the high agrophone 7-10 ton grain on hec.

It is recommended for spreading in slipware districts of east Georgia where sum of active temperatures of air forms 3000-4500°C and in II, III, X, XIV, XVII agro climatic zones of the west Georgia.

Picture:



Status: Registration in force

Number of Registration: 006

Date of Registration: 2011 05 16

Name of Varieties: *Lomtagora 2*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

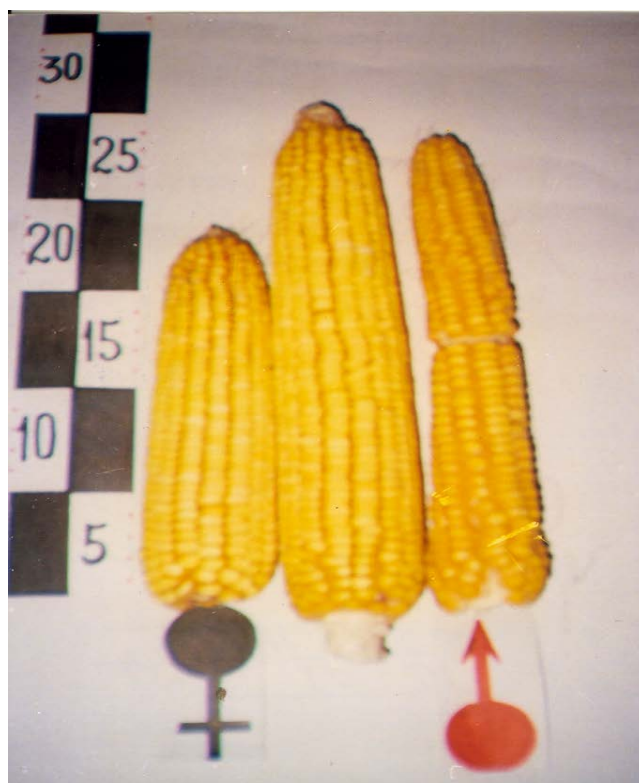
LTD Agro-Scientific Group "Lomtagora" (GE);  
Zurab Jinjikhadze (GE); Kakha Lashkhi (GE);  
Zaur Julukhidze (GE); Temur Japaridze (GE);  
Nana Lashkhi (GE)

#### Brief Description of Varieties:

Created by crossing inbred line B 73 LG with species Abasheti yellow. Type of grain cut-in. Grain yellow, mass 1000 grain 353 gr., number of rows of grain on cop 14-16. Form of cop weak conetype, caudex light rose color. Height of the plant (including malkin) 285 cm, number of leaves on the main stem is 19-20, above ground twist 17-18. Cop on one plant -1,0. Stem and root system are resistant to lying. Vegetation period (germination – complete maturity) forms 133 days. Yield on high agrophone 7-9 grain on hec.

Recommended for spreading in slipware district of east Georgia, where the sum of active temperature of air forms 3500-4500° C at lowland of the west Georgia.

Picture:



Status: Registration in force

Number of Registration: 007

Date of Registration: 2011 05 16

Name of Varieties: *Lomtagora 3*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Zurab Jinjikhadze (GE); Kakha Lashkhi (GE);  
Zaur Julukhidze (GE); Temur Japaridze (GE);  
Nana Lashkhi

#### Brief Description of Varieties:

Created with crossing of the hybrid 1 with species Kartuli Krugi. Type of grain - teethlike. Grain yellow, mass 1000, grain 346 gr. Number of rows of grain on the cop -16. Form of the cop weak cone type. Caudex of the cop of rose colour. Height of the plant (including malkin) 280 cm. The number of leaves on the main stem - 18-20, twists above the ground – 16-17. Without bushes. One plant develops one cop. Stem and root system are resistant to lying. Plant is not affected by bladdery brand. Vegetation period (germination – complete maturity) forms 130 days. Yield on the high agrophone -7-8 grain on hec.

Recommended for spreading in slipware districts of the east Georgia where the sum of active temperatures of air forms 3300-4500° C.

Picture:



Status: Registration in force

Number of Registration: 008

Date of Registration: 2011 05 16

Name of Varieties: *Lomtagora 4*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Zurab Jinjikhadze (GE); David Bedoshvili (GE);  
Kakha Lashkhi (GE); Zaur Julukhidze (GE);  
Temur Japaridze (GE); Tinatin Jinjikhadze (GE);

#### Brief Description of Varieties:

Created with crossing of the local species Ajameti white with Inbred line of CIMMYT CML 176. Type of grain – close to flinty. Grain white. Mass of 1000 grain 338gr, number of rows of grain on one cop 16. The form of the cop is of weak cone type. Caudex of the cop - white. Height of the plant (including malkin) 368 cm. The number of leaves on the main epigenous 21-22, without bushes. One plant develops 1,06 cops. Caudex and root system are resistant to the lying. Plants are not affected with *Helminthosporium turcicum* and *fuzarios*. Use: the grain is useful for production aims. Vegetation period (germination - complete maturity) forms 144 days. Recommended for spreading at the lowland of the west Georgia and slip ware districts of the east Georgia where the sum of the active temperatures of air forms 3900-4500 ° C.

Picture:



Status: Registration in force



Number of Registration: 009

Date of Registration: 2011 05 16

Name of Varieties: *Lomtagora 5*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Zurab Jinjikhadze (GE); David Bedoshvili (GE);  
Nino Lominadze (GE); Manana Berishvili (GE);  
Kakha Lashkhi (GE); Zaur Julukhidze (GE);  
Temur Japaridze (GE)

#### Brief Description of Varieties:

Created with crossing Inbred Lines GP – 3 with Inbred line of CIMMYT CML 176. Type of grain - flinty. Grain white. Mass of 1000 grain 327 gr, the number of rows of grain on one cop 16. The form of the cop is of intermediate cone type. Caudex of the cop - white. Height of the plant (including malkin) 303 cm. The number of leaves on the main epigenous 21-22, without brushes. One plant develops 1,03 cops. Caudex and root system is resistant to the lying. Plants are not affected with *Helminthosporium turcicum* and *fuzarios*. Use: the grain is useful for production aims. Vegetation period (germination - complete maturity) forms 137 days.

It is recommended for spreading at the lowland of the west Georgia and slip ware districts of the east Georgia where the sum of the active temperatures of air forms 3900- 4500°C.

Picture:



Status: Registration in force

Number of Registration: 01

Date of Registration: 2012 08 03

Name of Varieties: *Maradidi*

Generation and Species in English and in Latin: Trout *Salmo Fario*

Name, Surname of Breeder(s):

Akhmed Diasamidze (GE); Ibraim Didmanidze (GE);  
Zurab Megrelishvili (GE)

#### Brief Description of Varieties:

The trout “Maradidi” is got by interbreeding of a trout “Palia” (father) and Georgian river trout (mother) with the subsequent selection of generation. It is grown in artificial pool condition. The temperature of water is up to 25°C. It is fed by standard fish feed. In the artificial pools they are spawn artificially and in the rivers - by selfspawning within 7-8 months.

The trout “Maradidi” differs by its bright brown shape, by bright yellow and brown spots on each side of it, by taste which is similar to a river trout and by its ability to adjust to local natural conditions.

It is recommended for spreading in natural conditions in the rivers of mountain regions of Georgia in; artifical conditions in all regions.

Picture:



Status: Registration in force

Number of Registration: 010

Date of Registration: 2011 05 16

Name of Varieties: *Almasi*

Generation and Species in English and in Latin: *Winter Bread Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Gulnari Chkhutiashvili (GE); Givi Khutsishvili (GE);  
Petre Naskidashvili (GE); Mirian Chokheli (GE)

#### Brief Description of Varieties:

The variety was developed by crossing method of mutant lines of bread wheat's at the Georgian Research Institute of Farming.

The plant is erect, does not lodge down, resistant to diseases, Number of days from January 1 to the heading days is 142 (The variety matures early then variety "Bezostaia 1").

The spike is bright straw-colored, with awns, and is not characterized with breakability and shattering. is trash well and suitable for mechanized harvest.

The grain is large, oval, and reddish. 1000-grain weight is 48.8 gr. Wet content and protein content is 34.5% and 13.4% respectively. average grain yield of variety "Almasi" is 60.0 c/ha.

Picture:



Status: Registration in force



Number of Registration: 011

Date of Registration: 2011 07 15

Name of Varieties: *Vardisperi 32*

Generation and Species in English and in Latin: *Onion Allium cepa*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Motiashvili Elene (GE); Sapatov Zurab (GE)

#### Brief Description of Varieties:

It is bred from local species (Variety "Kaxuri Brtkeli") of individual selection. Variety is partially spicy. Bulb pink fleshy, tender scale is pinker. Flower is white; the form is round-oval, mass is 115-120 gram, non-brushing. When ripening, the bulb is half under the ground, plant height is 40-50 cm, the quantity of leafs are 10-12 dark green. It is steady to illnesses and vermin.

The vegetation period duration from shoots up to biological ripeness is 135-140 days. Productivity in irrigative is 27-29 t/hectare and seed yield is 3,5-3,8 centner/hectare. 1000 seed mass is 3,8-4 gram.

Picture:



Status: Registration in force

Number of Registration: 012

Date of Registration: 2011 07 15

Name of Varieties: *Pink Choportula*

Generation and Species in English and in Latin: *Tomato* *Licopersicum esculentu*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Aleqsandre Saralidze (GE); Nato Kakabadze (GE)

#### Brief Description of Varieties:

Variety “Pink Choportula” is a late plant, cold endurable and gives crop till the end of October. The plant is indeterminant, stem is strongly branched, fairly covered with leaves, length of internodes is 5-8 centimeters, often lanated, with smooth surface. Leaves are weakly toothed, of green color, flowerbed-compound with 3-5 flowers. Fruit is round, pink colo-red with smooth surface and sparkling skin, with 4-5 nodes. Average weight of the ripe fruit is 140 grammes. Weight of 1000 seed amounts to 3,58 grammes.

In case of footing, height of the plant reaches 135 centimeters, while 124 centimeters-without footing. In case of footing, crop productivity is 50 ton/hectares, without footing-36 ton of hectares. The plant needs 120 days from cropping up before ripeness. According to biological indicators, ripe fruit includes: dry substance – 5,48%, total sugar – 3,68%, ascorbic acid – 26,2%, total acidity – 0,40%.

Picture:



Status: Registration in force

Number of Registration: **013**

Date of Registration: **2011 07 15**

Name of Varieties: ***Mtsvane parkiani***

Generation and Species in English and in Latin:

*Soya Bean*

*Glycine max L Merrill*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Nato Kakabadze (GE); Tariel Kokhreidze (GE);  
Elene Motiashvili (GE); Zurab Sapatovi (GE)

### Brief Description of Varieties:

Variety “Mtsvane parkiani” according the agricultural and biological traits is middle-earlier plant and from massive flowering to technical ripe it needs 80-85 days, in the technical ripe harvest of green beans possible from germinated 95th day. Seeds reach biological ripe in 120-130 days. Beans are formed whole length of plant. On one plant are about 120 beans. Harvest of beans in the technical ripe reaches 170 centners per hectare.

Harvest of beans in the biological ripe reaches 70 centners per hectare. Seed includes: protein – 42.7%, fat – 20.8%. Weight of 1000 amount of green seeds is 760 g. Biologically ripped seed is green-yellow colored. Weight of 1000 amount of biological ripe seeds is 300 g.

Picture:



Status: Registration in force



Number of Registration: 014

Date of Registration: 2011 07 15

Name of Varieties: *Saadreo*

Generation and Species in English and in Latin: *Tomato* *Solanum Lycopersicum*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Leri Nozadze (GE); Ednar Miqanadze (GE);  
Adol Tkeshelashvili (GE); Otar Janxoteli (GE)

### Brief Description of Varieties:

Variety "Saadreo" according the agricultural and biological traits is earlier plant and gives the harvest before end of August. Plant is determinant, stem is strongly branched, fairly covered with leaves, and length of internodes is 5-6 cm, often lanated, with smooth surface. Leaves are weakly toothed, green color. Flower is complicated with 3-5 flowers.

Fruit is long; end of the fruit is sharpened with red color and sparkling skin, with 3 nests. Average weight of the ripe fruit is 50 g, weight of 1000 seed amount is 1.98 g. length of fruit is 5 cm, diameter of fruit is 4 cm. crop productivity yield is 60 t/ha. From germinate to starting the ripping plant needs 70 days. According the biological itinerary ripe fruit includes: dry substance - 3.43%; total sugar - 3.18%; Ascorbic acid - 16.7%; total acidity - 0.45%.

Picture:



Status: Registration in force

Number of Registration: 015

Date of Registration: 2011 07 15

Name of Varieties: *Sabostne 1*

Generation and Species in English and in Latin: *Soya Bean* *Glycine max L. Merrill*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Nato Kakabadze (GE)

#### Brief Description of Varieties:

Variety "Sabostne 1" according the agricultural and biological traits is earlier plant and from massive flowering to technical ripe it needs 20-25 days, but to biological ripening it needs 55-60 days. Length of branch of plant is 40-50 cm. with short internodes, on the average with leaves, form of leaf is oval, whole with pointed end.

Flower is white; duration of flowering is 20-30days. Color of bean in the technical ripe is green. Length of bean is 5.0 cm. width of bean is 1.2 cm. On the one plant it is formed from 30 to 50 beans, generally in the bean there are 2 seeds, seldom 1 or 3. Seed is

green, oval, flat, length of seed is 1.3 cm. diameter is 0.8 cm, weight of 1000 amount of green seeds are 680 g. green seed includes: protein – 42%, fat – 22%. The first harvest of green beans in technical ripe possible at 60th day from germination. The biological ripe seeds are reached at 85-90 day from germination. Harvest of beans in technical ripe per hectare makes 95 centners. Harvest of beans in biological ripe per hectare makes 37 centners.

Picture:



Status: Registration in force

Number of Registration: 016

Date of Registration: 2011 12 29

Name of Varieties: *Tserovani 4*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Zurab Jinjikhadze (GE); David Bedoshvili (GE);  
Nino Lominadze (GE); Manana Berishvili (GE);  
Liana Qirikashvili (GE); Avtandil Mumladze (GE);  
Nugzar Demetrashvili (GE); Zaur Kalandia (GE);  
Tamar Odishatia (GE); Djovani Nicoladze (GE);  
Tamara Kodua (GE)

#### Brief Description of Varieties:

The Hybrid is developed by crossing CIMMYT synthetic S91S IWQ and a local variety "Ajametis Tetri" type of grain is intermediate. Grain is white.

1000 grain mass is 342 gr. Number of grain rows is 14-16. Form of ear is slight cone. Plant height is growing 322 cm. Leaf number is 20-21. Stemnode above the ground is 18-19. One ear is on one plant. Resistant to lodging. Resistant to "helmintosporiosis" and "brand".

Vegetation period from germination to complete maturity is 140 days.

Crop yield is 6-7 t/ha.

The hybrid is recommended for spreading in lowland of West Georgia and in irrigation zone of East Georgia where total active air temperatures is about 3900-4500°C.

Picture:



Status: Registration in force

Number of Registration: **017**

Date of Registration: **2011 12 29**

Name of Varieties: ***Tserovani 5***

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

**Name, Surname of Breeder(s):**

The Georgian State Agrarian University (GE);  
Zurab Jinjikhadze (GE); Nino Lominadze (GE);  
Liana Qirikashvili (GE); Avtandil Mumladze (GE);  
Manana Berishvili (GE); Adoli Tkeshelashvili (GE);  
Leri Chachava (GE); Otari Djankhoteli (GE);  
Tamara Kodua (GE); Zaur Kalandia (GE);  
Tamar Odisharia (GE)

**Brief Description of Varieties:**

Bred by crossing of simple hybrid “GP 3XCML 176” with species “Ajameti tetri”. The type of grain is intermediate. Grain is white. Mass of 1000 grains is 338 gr. The number of grains on a corn-cob is 16-18. The form of a corn-cob is averagely conical. The color of pivot is white. The height of a plant (including panicle) is 305 cm, the number of leaves on the main stem is 20-21, and the number of the knees above surface is 18-19. 1 corn-cob is developed on the plant. The stem is resistant to lying.

Also it is resistant to *Helminthosporium Tursicum*. It is resistant to the boil smut. It is of late ve-ge-tation, from germination to the full maturity it needs 140 days. The yield of grain forms is 6-8 t/ha.

Using: the grain can be used as food.

It is recommended for spreading at the lowland zone of the west Georgia and at the irrigated districts of east Georgia, where the active temperature of air equals 3800-4500°C in total.

**Picture:**



**Status:** Registration in force



Number of Registration: 018

Date of Registration: 2011 12 29

Name of Varieties: *Sauli-9*

Generation and Species in English and in Latin: *Bread Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Gulnari Chkhutiashvili (GE); Petre Naskidashvili (GE);  
David Bedoshvili (GE); Irakli Rekhviashvili (GE);  
Nona Sokhashvili (GE); Mirian Chokheli (GE)

#### Brief Description of Varieties:

“Sauli-9” is winter mild bread wheat variety. It is characterized as a good frost hardiness and drought resistance variety. The plant is erect and height varying from 95-100 cm. The spikes 4-5 are evenly developed on the plants. It is early for 4-5 days as compared to the local standard. Its spikes are easily threshed and the variety is appropriate for mechanical harvest. It is resistant to rusts and foliar diseases such as septorios and powdery mildew.

The spikes are white, awned and have shape of a thimble with length up to 12-13 cm. There are 55-60 grains per spike in average. Thousand kernel weights reaches 40-44 grams. Grain wet gluten content varies from 26,0%, protein content is 11%, “Sauli-9” is a high yielding variety. Its yield varies from 5.0 to 5.6 t/ha in average.

“Sauli-9” is adapted to all wheat-growing regions of Georgia.

Picture:



Status: Registration in force

**Number of Registration:** 019

**Date of Registration:** 2011 12 29

**Name of Varieties:** *CIVG 198*

**Generation and Species in English and in Latin:** *Apple* *Malus Mill*

**Name, Surname of Breeder(s):**

C.I.V. CONSORZIO ITALIANO VIVAISTI-Societa consortile a.r.l.  
(IT); Alessandro Castagnoli, (heir of Gianfranco Castagnoli) (IT);  
Pietro Castagnoli, (heir of Gianfranco Castagnoli) (IT);  
Donata Azzolini, (heir of Gianfranco Castagnoli) (IT);  
Leis Michelangelo (IT); Alessio Martinelli (IT);  
Francesco Tagliani (IT)

**Brief Description of Varieties:**

The new and distinct variety of apple, botanically known as *Malus domestica* Mill, hereinafter referred to by the variety denomination “CIVG 198” originated from a cross made pollination in a planned, controlled breeding program in S. Giuseppe di Comacchio (Ferrara), Italy. The female parent is *Malus domestica* Mill - “Gala”. The male parent is *Malus domestica* Mill “Liberty”. The phenotype of the new variety may vary with variations in environment such as temperature, light intensity and day length without any change in genotype of the plant.

A new and distinct *Malus domestica* Mill apple variety named “GIVG 198” particularly characterized by having a red skin color, high sugar content, very firm flesh, scab resistance, long storage capacity and long shelf life.

**Picture:**



**Status:** Registration in force

Number of Registration: 020

Date of Registration: 2012 04 05

Name of Varieties: *Aragvi*

Generation and Species in English and in Latin: *Chickpea* *Cicer Arietinum L*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Pasha Vacheishvili (GE); Avtandil Mumladze (GE);  
Avtandil Korakhashvili (GE); Lia Kirikashvili (GE);  
Ana Gulbani (GE)

#### Brief Description of Varieties:

The Variety , “Aragvi” is middle early lentil variety. The plant it brush type, the height is 40-70 cm, the plant is erect type. The color of the leaf is pale green, the flower is white. The height of the below pod attachment is 40cm, the seed number most of the time per pod is 1 and seldom 2-3 seeds. The seed color is pale yellow-brownish, the shape of the seed is round with a size 8mm diameter with the slightly broad surface. 1000 seed weight is 310 gram. The average yield of the grain is 1.6-2.9 t/ha.

The variety, “Aragvi” is less susceptible to fusarium. The planting time for east Georgia starts from the middle of November and continues to the middle of March. Grain wet gluten content is about 23.16%, fat contents is 5.54%, the same of nitrogen – free extract substance is 53.15%, characterized with good taste properties.

Picture:



Status: Registration in force

Number of Registration: 021

Date of Registration: 2012 04 05

Name of Varieties: *Tsilkani*

Generation and Species in English and in Latin: *Lentil* *Lens Esculenta Moench*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Pasha Vacheishvili (GE); Avtandil Mumladze (GE);  
Avtandil Korakhashvili (GE); Lia Kirikashvili (GE);  
Ana Gulbani (GE)

#### Brief Description of Varieties:

The Variety, "Tsilkani" is early lentil variety. The plant is brush type, the height is 30cm. The plant does not have a lodging problem. The color of the leaf is pale green, the flower is white, the pod number ranges from 60-70, and the seed number per pod is 1 or 2. The height of the below pod attachment is 15 cm. The seed color is reddish, the shape of the seed is round with the slightly broad surface. 1000 seed weight is 42, 1 gram. The variety, "Tsilkani" is less susceptible to fusarium. The plant is facultative and the planting time for east Georgia starts from the middle of November and continues to the middle of March. The average yield of the grain is 2-3 t/ha. Grain wet gluten content is about 26.28%, fat contents is 1.46%, the same of nitrogen-free extract substance is 48.96%. It is easily boilable, characterized with good taste properties. Crop capacity of the straw is 2.7 tones per hectare, of which energetic nutritional unit is 63.62%, and digestible protein is 6.47%.

Picture:



Status: Registration in force

Number of Registration: 022

Date of Registration: 2012 04 05

Name of Varieties: *Lomtagora 109*

Generation and Species in English and in Latin: *Bread Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
Kakha Lashkhi (GE); David Bedoshvili (GE);  
Gulnari Chkhutiashvili (GE); Irakli Rekhviashvili (GE);  
Zoia Sikharulidze (GE); Galina Meparishvili (GE)

#### Brief Description of Varieties:

"Lomtagora 109" is a winter bread wheat variety. Its height is average, varying from 100-105 cm. It is characterized with lodging resistance, higher than average winter hardiness and drought resistance. It is early for 2-6 days as compared to the local checks. Its spikes are easily threshed and the variety is appropriate for mechanical harvest. It is resistant to rusts and foliar diseases such as septorios and powdery mildew.

The spikes are white, awned and have shape of a thimble with length up to 13-15 cm. There are 65-70 grains per spike in average. "Lomtagora 109" is a high yielding variety. During the three-year evaluation period its yield varied from 5.0 to 6.5 ha in average.

"Lomtagora 109" is adapted to all wheat-growing regions of Georgia.

Picture:



Status: Registration in force



Number of Registration: 023

Date of Registration: 2012 06 06

Name of Varieties: *Sarkineti*

Generation and Species in English and in Latin: *Chickpea* *Cicer Arietinum L.*

Name, Surname of Breeder(s):

The Georgian State Agrarian University (GE);  
Tamar Akhaladze (GE); Gejura Chincharauli (GE);  
Avtandil Mumladze (GE); Ana Gulbani (GE);  
Ana Devidze (GE)

#### Brief Description of Varieties:

The variety "Sarkineti" is spring variety. It is planted in early spring, and it is frost resistant too. The plant is semi-erect with a height 60-65 cm. It is branch type with high anthocyanin. The plant is covered with brownish hair on stems, leaves and pods. The leaf is normal (uni-imparipinnate), number of leaflets per leaf is 6-8 pears.

The flower is white and is self-pollinate. The pod is oval shape 2-2.5 cm long. There are 1-2 seeds in the pod. The pod does not break and the seeds do not fall off. The seed is yellow brown. 1000 seed weight is 390 gram. The seed shape is rough. The protein content in the seed is 27%. The taste properties were evaluated with 4 points. The plant is less susceptible during the heavy rained conditions with Fusarium wilt and Ascochita blight.

Picture:



Status: Registration in force

Number of Registration: **024**

Date of Registration: **2012 06 06**

Name of Varieties: ***Lizi***

Generation and Species in English and in Latin: *Onion* *Allium cepa L.*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Petre Naskidashvili (GE); Leri Nozadze (GE);  
Avtandil Mumladze (GE); Koba Kobaladze (GE);  
Tsiuri Bichiashvili (GE); Ednar Mikanadze (GE)

#### Brief Description of Varieties:

The new variety "Lizi" was received by the method of massive selection of earlier registered variety "Stardust". Variety is medium spicy, bottom part white and soft, round; mass 120-160 gr. is seated on soil. The height is 30-40 cm, leaves 6-8, dark green, fantail type. Resistant to diseases, vegetative period: medium-later, needs 100-105 days for complete ripeness. General yield in irrigated zones consists of 30-40 ton on hectare. Crop of seed: 2.6-2.9 c/ha. Mass of 1000 grain 3,4-3,7 g.

One of the important qualities of white-headed onion is its medicinal use. It contains vitamins and nitrogen substances (up to 2.5 %), different sugars, especially –phytoncide, lemon and apple acids vitamins B2 (50mg.%) PP (0.20 Mg. %) vitamin C (10.5.23.0 mg%) and essential oils. Because of its rich consistence it is irreplaceable product in winter and spring, especially in cases of flu epidemics and a vitaminosis. Its special quality is that "Lizi" does not provoke eye irritation.

Picture:



Status: Registration in force



Number of Registration: **025**

Date of Registration: **2012 06 06**

Name of Varieties: ***Likani***

Generation and Species in English and in Latin: *Cabbage* *Brassica oleracea*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Petre Naskidashvili (GE); Leri Nozadze (GE);  
Eter Phiphia (GE)

#### Brief Description of Varieties:

The new variety of a plant was received by the method of massive selection of earlier registered variety "Borjomis Ideali". Variety is for a medium-later period, vegetative period is 155-165 days, head is round, light green, upper part of head is bulging. The mass of head oscillates from 2.9 kg to 3.5. General yield 45-50 t on hectare. According to its consuming capacity the variety is universal and can be stored during long time period. Chemical composition of "Likani": dry matter 7.35-9.35%, total sugar 4.33-4.93%, vitamin C 61.6-83.6 mg/kg. Crop of seed: 3.5-4.5 c/ha. Seed quality indicators: mass of 1000 grain 2-4 g. Cabbage leaf is crispy, with good taste.

The variety has high size; outer part is more than 20-25 cm and ready for combine harvest. Variety "Likani" is from 600-650 meters to 1100-1750 above sea level.

Picture:



Status: Registration in force

Number of Registration: 026

Date of Registration: 2012 08 03

Name of Varieties: *Everest*

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B. V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Everest" botanically known as *Solanum tuberosum L.* is early table potato for export and local consumption with yellow skin.

Yield very high, about 7-9 tubers per plant. Tuber is oval, fairly uniform in shape, shallow eyes. fairly good resistance to virus diseases.

"Everest" consumer quality is high fairly ; suitable for fresh consumption. Good Quality, dry matter content between 18-19%. Cooking type AB, with consistent colour and good taste.

**Picture:**



**Status:** Registration in force

Number of Registration: 027

Date of Registration: 2012 08 03

Name of Varieties: *Labadia*

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B. V. (NL)

#### Brief Description of Varieties:

The new and distinct variety of a plant "Labadia" botanically known as *Solanum tuberosum L.*, is a table potato for the fresh market in the Mediterranean area, South-America and Middle-east.

Variety is for a medium-early period, head is round, light yellow with large percentage of big tubers. "Labadia" has strong stems and very good covering. Producing white flowers and few berries.

Medium tolerant to mechanical damage and blue spots. Good drought and heat-resistant. Good tolerance to internal defects. Good storability, partly due to a fairly long dormancy.

Picture:



Status: Registration in force

Number of Registration: 028

Date of Registration: 2012 08 03

Name of Varieties: *El Mundo*

Generation and Species in English and in Latin: *Potato Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B. V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "El Mundo" botanically known as *Solanum tuberosum* L, is table potato for export and local consumption with yellow skin colour, high yielding variety.

Tuber oval, average of 8-10 tubers per plant. The new potato variety has a good resistance in leaf and tuber blight.

"El Mundo" consumer quality is high, suitable for fresh consumption. Dry matter content is between 18-19%. Cooking type AB, with saturated colour and good taste.

"El Mundo" Characterized by mid late maturity, consumer quality, firm cooking variety, less input of Nitrogen.

**Picture:**



**Status:** Registration in force

Number of Registration: 029

Date of Registration: 2012 08 03

Name of Varieties: *Mondeo/SM 99-5107*

Generation and Species in English and in Latin: *Potato Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B. V. (NL)

**Brief Description of Varieties:**

The new and distinct variety of a plant "Mondeo" botanically known as *Solanum tuberosum L.*, is a table potato for the fresh market.

Variety is for a middle-late period, skin is light yellow with large percentage of big tubers, 8-10 tubers per plant. "Mondeo" has strong stems and very good covering. Producing white flowers, without berries.

Medium tolerant to mechanical damage and blue spots. Good drought and heat-resistant. Good tolerance to internal defects. Good storability, partly due to a fairly long dormancy.

**Picture:**



Status: Registration in force



Number of Registration: 030

Date of Registration: 2012 10 31

Name of Varieties: DEDA

Generation and Species in English and in Latin: Stevia Stevia rebaudiana Berto

Name, Surname of Breeder(s):

Tamar Sarjveladze (GE); Valerian Tsanava (GE); Tsisana Kashakashvili (GE);  
Nanuli Oragvelidze (GE); Izolda Mamulaishvili (GE)

#### Brief Description of Varieties:

*Stevia rebaudiana* "Deda" is used as natural lowcaloric sugar substitute plant. Overground parts of the plant, mainly leaves, contain diterpenic glycosides in amount of 6-15% which is 30-300 times sweeter compared with sugar (saccharose).

*Stevia* sort population "Deda" is bred from plants introduced in Georgia by the way of artificial selection. It differs from introduced- existing sort by broad - leafiness, frost resistance and by giving high quality seeds having swelling ability. With these properties it is homogenous and stable, it has high agricultural benefit. Height of the sort population "Deda" is up to 100-130cm with dying shoots at the end of every year but growing up again in spring. During growing period a stem is upstanding (straightstanding). But is inclined because of heavy branching and growing in height. Leave are located on the stem at the node on the opposite side. A leaf is obovate of oblonged form with three veins. On both sides a blade is covered with fluff; a petiol is short almost sitting. The blade is dentate in the upper part and in the lower part the edge is whole. Dark green leaf is large – 8,4cm long and 2,8cm wide.

The sort population "Deda" is propagated vegetatively (with cuttings) as its initial forms and has gained ability of generative (with seeds) propagation. Vegetative period lasts from June till the end of October. The overground part of the plant has economic significance, mainly leaves, harvesting of which takes place 2-3 times a season by mowing during budding process. Fruit is very narrow seed of spindle shape. It is of brown colouring while ripening. Vertical stripes are noticed on the seed surface which are placed like an umbrella and represent flying means. Mass of 1000 seeds is 0,39-0,50gr. *Stevia* sort population "Deda" is recommended for spreading in humid climatic conditions of West Georgia.

Picture:



Status: Registration in force

Number of Registration: **031**

Date of Registration: **2012 10 31**

Name of Varieties: ***Lomtagora 149***

Generation and Species in English and in Latin: *Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

LTD Agro-Scientific Group "Lomtagora" (GE);  
David Bedoshvili (GE); Gulnari Chkhutiashvili (GE);  
Kakha Lashkhi (GE); Zoia Sikharulidze (GE);  
Irakli Rekhviashvili (GE); Galina Meparishvili (GE)

#### Brief Description of Varieties:

"Lomtagora 149" is a variety of bread wheat. It is characterized with wide adaptation, as the number of emerged and survived plants is about 90%. The tillers are semi-prostrate, while the stems are erect characterized with intermediate height (95-97 cm) and resistance to lodging. Typically, the date of heading is between 125 and 130 days counted from January. The spike is white, awned, characterized with intermediate height (10-11 cm) and density. Number of fertile spikelets per head is high. Equal height of tillers and easy threshing facilitates the harvest of grain. The grain is red and vitreous. There are 50-60 kernels in average per spike. Thousand kernel weight is about 41-43 grams. Wet gluten content varies between 23.0 – 25.0%. The variety is characterized with yield stability. Average yield varies between 5.0-5.5 t/ha. Its resistance to rusts, powdery mildew and septorios varies between high and intermediate-high.

The variety "Lomtagora 149" is recommended to all wheat growing regions of Georgia.

Picture:



Status: Registration in force



Number of Registration: **032**

Date of Registration: **2012 10 31**

Name of Varieties: ***Estivus***

Generation and Species in English and in Latin: *Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

SAATEN-UNION GmbH (DE);  
DR.Hermann Strube Strube GmbH& Co.KG (DE)

**Brief Description of Varieties:**

Winter wheat "ESTIVUS" (A-Quality) (botanical taxon is *Triticum aestivum* L.emend. Fiori et Paol) is the new variety from Germany. ESTIVUS is a triple cross: PETRUS x STRU 91-215-0232 / x STRU 981432.1. This variety is very healthy with high lodging resistance. High yield and good quality could be reached by lower intensity of cultivation. Suits well by crop rotation "wheat-wheat" and "corn-wheat".

The winter hardiness is middle high and the drought resistance is high. Good flour quality. Sowing time and quantity are flexible: from early to late. The plant has medium height. High resistance to yellow leaf spot, brown rust and fusarium. Registered in Germany, Belgium, Austria and Poland.

**Picture:**



**Status:** Registration in force

Number of Registration: **033**

Date of Registration: **2012 10 31**

Name of Varieties: ***Genius***

Generation and Species in English and in Latin: *Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

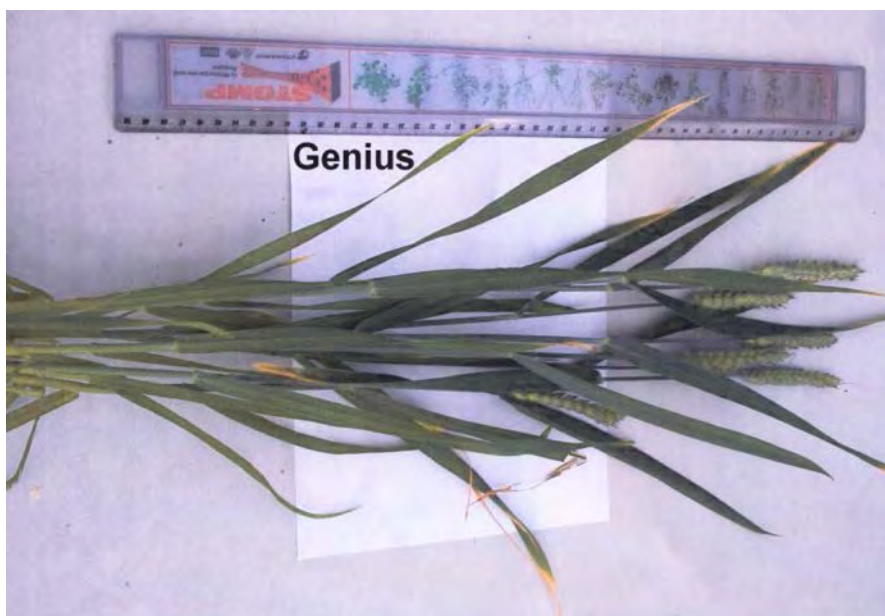
SAATEN-UNION GmbH (DE);

Dr.Ralf Schachschneider NORDSAAT Saatzeit GMBH Saatzeit Langenstein (DE)

#### Brief Description of Varieties:

Winter wheat "GENIUS" (E-Quality) (botanical taxon is *Triticum aestivum* L.emend. Fiori et Paol) is the relative new variety from Germany. GENIUS is double haploid wheat from cross ACK 3094 x NORD 00/412. This variety gives not only outstanding dough and volume yield, but also stable yield on poor soils. It is profitable for both bakers and for the farmers. The winter hardiness and the drought resistance are high. Sowing time and quantity should be locally adapted. The variety has medium height and middle high lodging resistance. Resistance to mildew, brown rust and fusarium is above the average too high. "GENIUS" is registered in Germany and Hungary.

Picture:



Status: Registration in force

Number of Registration: **034**

Date of Registration: **2012 10 31**

Name of Varieties: ***Alatus***

Generation and Species in English and in Latin: *Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

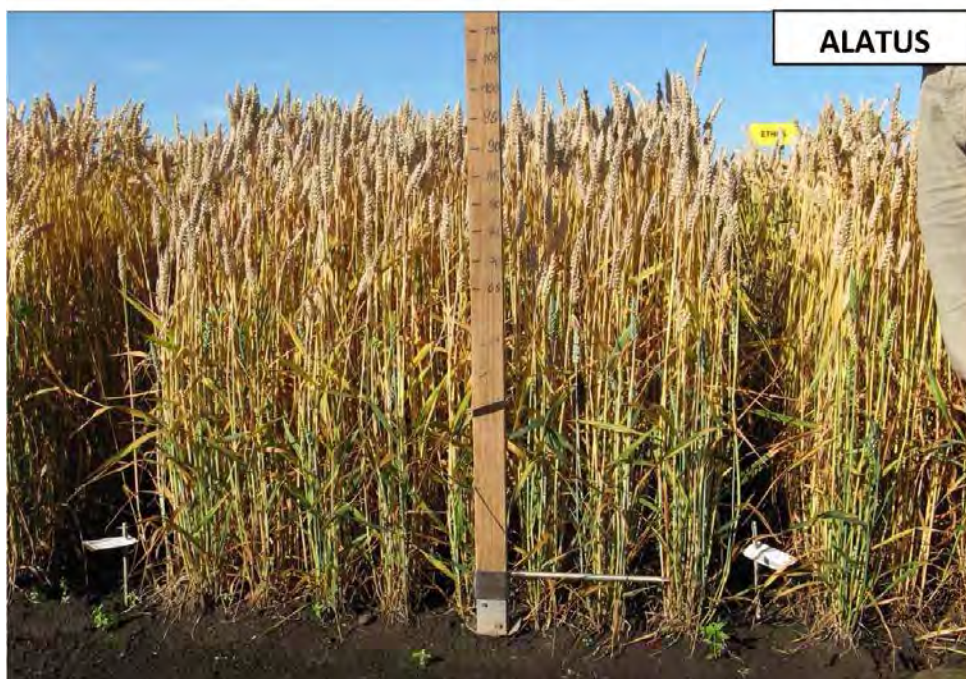
SAATEN-UNION GmbH (DE);  
DR.Hermann Strube Strube GmbH& Co.KG (DE)

#### Brief Description of Varieties:

Change wheat ALATUS (B-Quality) (botanical taxon is *Triticum aestivum* L.emend. Fiori et Paol) is the new variety from Germany. The breeder is Strube Research GmbH & Co. KG. ALATUS is a triple cross: AxB/xC=>A: WW-Stamm VH1127.89 (Fidel x Stamm/x Obelisk); B: STRU 923071 (WW-Stamm x SW-Stamm /x obelisk); C: Melon.

This variety is very healthy with flexible sowing time. High yield and good quality could be reached by lower intensity of cultivation. The winter hardiness is middle high and the drought resistance is very high. Good flour quality. The plant has medium height. High resistance to brown rust, mildew and fusarium. Registered in Austria.

Picture:



Status: Registration in force



Number of Registration: **035**

Date of Registration: **2012 12 11**

Name of Varieties: ***BEKA***

Generation and Species in English and in Latin:

*Maize*

*Zea Mays*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Otar Liparteliani(GE); Toshia Tavadze (GE);  
Pilaret Begoidze (GE); Nunu Zhvania (GE);  
Manana Iriauli (GE); Beka Liparteliani (GE)

#### Brief Description of Varieties:

Synthetic variety "Beka". There are breed orange zea mays imdurata, zea mays indentata and zea mays scmidentata by interbreeding and selection of foreign and local maize. Variety – zea mays scmidentata. Orange grain, medium size, 1000 grain mass – 338 gr. Ear – average size, height – 18-19 cm; mass – 345 gr. Number of grain line 14. Shape - weak cone, ear shank red, average height plant – 250-260 cm. Quantity of leaves – 18-19, Quantity of overground joints 15-16. It is not characterized with bushiness. On one plant is developed 1-3 ears. Ear attachment height – 85 cm. Durable toward lodging and diseases. It is average vegetative. It needs 112 days from arising to full ripeness.

Grain yield on high agrobac-ground makes up 6-7 ton on a hectare. It is recommended to be spread in maize sowing regions of Georgia.

Picture:



Status: Registration in force



Number of Registration: **036**

Date of Registration: **2012 12 11**

Name of Varieties: ***TSILKANI 1***

Generation and Species in English and in Latin:

*Maize*

*Zea Mays*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Otar Liparteliani (GE); Toshia Tavadze (GE);  
Pilaret Begoidze (GE); Nunu Zhvania (GE);  
Manana Iriauli (GE); Beka Liparteliani (GE)

#### **Brief Description of Varieties:**

Hybrid "Tsilkani 1" is breed by interbreeding of line "Abashuri Kviteli 30" with line "MO-17". Variety *zea mays indentata*. Yellow, big grain. 1000 grain mass - 355 gr. Large size ear, length - 18-20 cm. Mass - 340 gr, Number of grain line 14; shape - weak cone, ear shank – light pink, average height plant – 230-240 cm; Quantity of leaves – 15-17; Quantity of overground joints 13-14; It is not characterizes with bushiness. On one plant is developed 1-2 ears. Ear attachment height – 85 cm. Durable toward lodging and fungus diseases. It is average vegetative, vegetation period from arising to full ripeness is 115 days.

Grain yield on normal agro-background makes up 9-10 ton on a hectare. It has universal direction as for food-stuffs, as well as for forage. It is recommended to be spread in east and west regions of Georgia which produces maize.

**Picture:**



**Status:** Registration in force

Number of Registration: **037**

Date of Registration: **2012 12 11**

Name of Varieties: ***TSILKANI 2***

Generation and Species in English and in Latin:

*Maize*

*Zea Mays*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Otar Liparteliani (GE); Toshia Tavadze (GE);  
Pilaret Begoidze (GE); Nunu Zhvania (GE);  
Manana Iriauli (GE); Beka Liparteliani (GE)

#### Brief Description of Varieties:

Hybrid "Tsilkani 2" is breed by interbreeding of line "Kartuli Krugi 44" with line "B-73". Variety *zea mays indentata* - average size ear, length 19-21 cm, mass 330 gr. Yellow, average size grain. 1000 grain mass – 340 gr. Number of grain line 18, shape cylindrical, ear shank –pink, grain from ear 85%, average height plant – 240-250 cm. Quantity of leaves –17-18. Quantity of overground joints 14-15, It is not characterized with bushiness. On one plant is developed 1-3 ears. Ear attachment height – 90 cm. Durable toward lodging and fungus diseases. It is average vegetative, vegetation period from arising to full ripeness 110-115 days.

Grain yield on normal agro-background makes up 8-9 ton on a hectare. It is recommended to be spread in east regions of Georgia as irrigative as well as non-irrigative regions.

Picture:



Status: Registration in force

Number of Registration: **038**

Date of Registration: **2012 12 11**

Name of Varieties: ***Meskhuri Tsiteli***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

LTD Firma "AGRO CARTU" (GE);  
Ana Gulbani (GE); Revaz Sichinava (GE);  
Ilia Mchedlidze (GE); Ia Antia (GE);  
Dali Tsiklauri (GE)

#### Brief Description of Varieties:

The new and distinct potato variety "Meskhuri Tsiteli" botanically known as *Solanum tuberosum L.*, is mid late variety with dark red skin. The variety is high yielding with 7-9 tubers per plant. The variety has large tubers; fairly uniform in shape and with rather shallow eyes. For potato production the size of tubers can be 70-110mm and weight – 150-220 gram. The tubers shape are long-oval with thick skin. The variety "Meskhuri Tsiteli" has good resistance to virus diseases: PVX, PVY, PVA, PVS. The consumer quality of the variety is very high, suitable for fresh consumption; Dry matter content is between 18-19%. Cooking type - Fairly firm to floury with consistent color and good taste.

"Meskhuri Tsiteli " has strong stems and very good covering. Producing light purple flowers and few berries. The variety has medium tolerant ability to mechanical damage and bruising. Good drought and heat-resistant. Good tolerance to internal defects. Good storability, short dormancy.

Picture:



Status: Registration in force

Number of Registration: 039

Date of Registration: 2012 12 11

Name of Varieties: *Meskhuri*

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

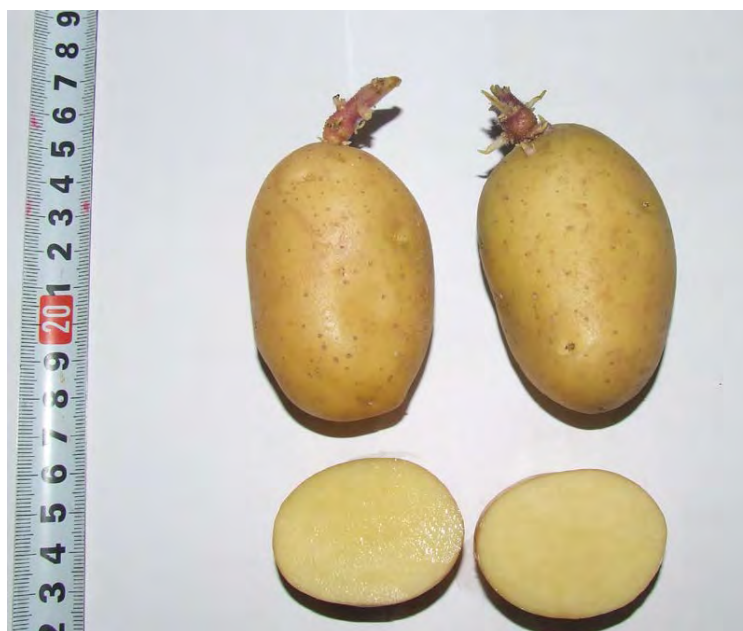
LTD Firma "AGRO CARTU" (GE);  
Ana Gulbani (GE); Revaz Sichinava (GE);  
Ilia Mchedlidze (GE); Ia Antia (GE);  
Dali Tsiklauri (GE)

#### Brief Description of Varieties:

The new and distinct potato variety "Meskhuri" botanically known as *Solanum tuberosum L.*, is mid late variety with yellow skin. The variety is high yielding with 9-10 tubers per plant. The variety has medium size tubers (60%); fairly uniform in shape and with shallow eyes. For potato production the size of tubers can be 70-110 mm and weight – 140-210 gram. The tubers shape are long-oval with smooth skin. The variety "Meskhuri" has good resistance to virus diseases: PVX, PVY, PVA, PVS. The variety is resistant to Late blight. Dry matter content is between 18-19%. Good consistency and good taste.

"Meskhuri" has strong stems and very good covering. Producing white flowers and berries. The variety has medium tolerant ability to mechanical damage Good drought and heat-resistant. Good tolerance to internal defects. Good storability.

Picture:



Status: Registration in force



Number of Registration: 040

Date of Registration: 2013 04 02

Name of Varieties: *Variety "Alaverdi 1"*

Generation and Species in English and in Latin: *Barley* *Hordeum vulgare L.*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Avtandil Mumladze (GE);  
Zeinab Saralidze (GE);  
Liana Qirikashvili (GE);  
Tamara Kodua (GE);  
Nona Sokhashvili (GE)

#### Brief Description of Varieties:

"Alaverdi 1" is bred from the collection of I.Vavilov Plant Production Institute by mass selection in 2002. In 2003-2004 years it was tested in the check nursery. In 2005 the preliminary trial nursery and in 2007-2009 years competitive variety trial was effected.

"Alaverdi 1" is two-rowed. The variety can be sown in spring and in autumn too. Height of plant is 90-100 centimetre and it is 3 days earlier than a standard variety. Period of farming begins from 15 May and is suitable for mechanized harvesting and stability to some diseases and is characterized with high yield.

When it is sown in autumn it gives grain yield 4,5 t/ha but when it is sown in spring - 3,5 t/ha. Ear is straight and yellowish. Length of ear is 9-10 centimetre. Vegetation period is 120-125 days. 30 grains per ear. Thousand grain mass is 44 gram. Grain contains 10,5% of protein.

"Alaverdi 1" is used for beer producing as well.

It is possible to cultivate "Alaverdi 1" in all regions of Georgia where barley is sown.

Picture:



Status: Registration in force

Number of Registration: **041**

Date of Registration: **2013 04 02**

Name of Varieties: ***Variety "Zes 5"***

Generation and Species in English and in Latin: *Barley* *Hordeum vulgare L.*

Name, Surname of Breeder(s):

Georgian State Agrarian University (GE);  
Zeinab Saralidze (GE); Liana Qirikashvili (GE);  
Tamara Kodua (GE); Nona Sokhashvili (GE)

#### Brief Description of Varieties:

Winter barley variety „Zes 5" is bred in I. Lomouri Institute Farming in 2001.

This form is received from winter barley variety „Kazbegi" by gamma radiation and individual selection. The received variety was multiplied in the breeding nursery in 2002-20003 years. In 2004 it was in the cheek nursery, in 2005-2006 years in the preliminary trial and in 2007-2009 years in competitive variety trial.

„Zes 5" is a winter barley. It is sown only in autumn. Height of plant is 100-110 centimetres. It is suitable for mechanical harvesting and 5-6 days earlier than a standard variety. Period of farming begins from 10 May. Vegetation period is 210 days. Resistant to some diseases (rust, powdery mildew). Ear is of yellowish orange color, the length of the ear is 11-12 cm. There are 60-64 grains per ear. Grain form is elliptic. 1000 grain mass is 40-50 gram. Grain does not fall down. „Zes 5" is a high yielding variety and gives 57-60 m/ha.

It is recommended for irrigated foothills of Georgia.

Picture:



Status: Registration in force

Number of Registration: 042

Date of Registration: 2013 04 02

Name of Varieties: *Gardabnuli chrela*

Generation and Species in English and in Latin: *Haricot* *Phaseolus vulgaris L.*

Name, Surname of Breeder(s):

Elene Motiashvili (GE);

Nato Kakabadze (GE)

#### Brief Description of Varieties:

The variety "Gardabnuli chrela" of Gardabani is the received from selected form by the individual selection. It belongs to the cut form by strange board. The taking of the crops continues in the second half of August.

The height of the plant is 75 cm, immediately with loaf, the form of the leaf is as rhomb, is little varied weakly of the dark green colorship. It has the flower of the white color. The disposition of the flower is characterized in the internodes, during the complete floweriness the length of the park is 5-6 cm, of green color, is characterized by the fiber of the arc, has very weak quality of the contortion, but the form of the contortion is little below, the length of the park board is short, the structure of the park surface is little rough.

In the dry phase is characterized by the weak cutting of the park, the mass of 1000 seeds is 570 gram. The length form of the seeds is cylindrical, the form of large cutting of ellipsis seeds is main, color dark red. The distribution of the secondary color continues on the complete surface of seeds. The variety is not fallen.

The variety is more stable in direction of haricot cereals antraknosi, in respect to virus.

Picture:



Status: Registration in force

Number of Registration: **043**

Date of Registration: **2013 12 30**

Name of Varieties: ***MRA VALMARTSVALA***

Generation and Species in English and in Latin: *Haricot bean* *Phaseolus vulgaris L.*

Name, Surname of Breeder(s):

Nato Kalabadze (GE); Guram Alexidze (GE); Petre Naskidashvili (GE); Marexi Meliashvili (GE);  
Zurab Sapatovi (GE)

#### Brief Description of Varieties:

Variety of haricot bean – "Mravalmartsvala" – belongs to group of beans PHASEOLUS VULGARIS (L) SAVI. The initial material was received from Taiwan, from the center of vegetables AVRDC with name "TOT 5976".

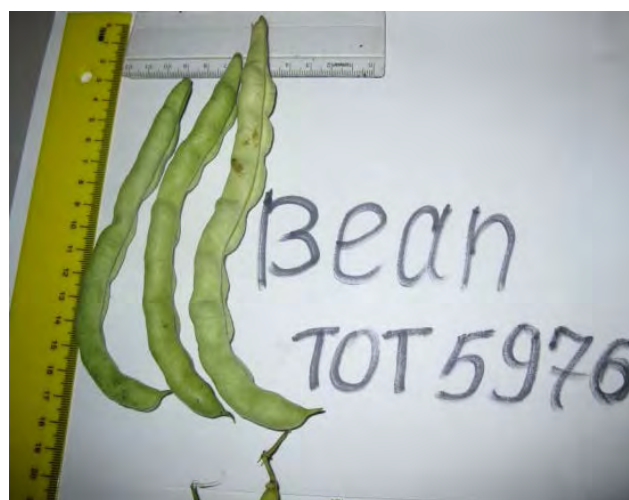
"Mravalmartsvala" belongs to high incremental beans group with bindweed stalk. Height is 2.5-3 m. medially branched. Field trial has been spent in Sartichala testing station, during 4 years. (2008-2011) It has good adapt to the soil-climatic conditions of Georgia. Variety is universal type, with high quality seed and beans, where the parchment's stratum is weakly figured. "Mravalmartsvala"'s duration of vegetation period by phenological observation has been 95-105 days. Number of days from seeding to germinate has been 14, to massive flowering – 65, to maturity of bean – 90, complete maturity – 105.

By the biometrical descriptions on the one plant in medially formed 38 beans. Before first bean height of steam is 115 cm. thickness of steam – 3 cm. length of leaf – 10 cm. width – 8 cm. length of leaf's stalk – 4 cm; length of bean – 18 cm; width – 10 mm; length of bean's stalk – 5 mm; the form of large cutting of the bean is oval. There are 12-13 seeds in the bean, with kidney form, light brown. Length of seed's is 10 mm., width – 7 mm., weight of one bean is 0.3 gr., green beans yield on 1 ha is 14-15 centner, seed's yield – 10-12 centner. weight of 1000 seeds is 350-400 gr.

Steam and leaves are green or light green. Bean in the young is green, seldom brown. Variety is resistant to virus diseases, to Anthracnose, by the biochemical parameters sugar structure is 6%, protein- 24%, fat – 2.8%, carbohydrates – 48%.

Variety is not fallen, in the dry phase is not designated the weak cutting of bean. It is medially early, the harvest is at the end of September.

Picture:



Status: Registration in force



Number of Registration: **044**

Date of Registration: **2013 12 30**

Name of Varieties: **JAVAXETURI**

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

LTD Firma "AGRO CARTU" (GE);  
Ana Gulbani (GE); Revaz Sichinava (GE); Ia antia (GE)

#### Brief Description of Varieties:

The new and distinct potato variety "Javakheturi" botanically known as *Solanum tuberosum L.*, is mid late variety with yellow skin. The variety is high yielding with 8-10 tubers per plant. The variety has medium size tubers (65%); fairly uniform in shape and with mid-shallow eyes. For potato production the size of tubers can be 80-110 mm and weight – 140-210 gram. The tubers shape is oval with smooth and clear skin. The variety "Javakheturi" has good resistance to virus diseases: PVX, PVY, PVA, PVS. The variety has good resistant to Late blight. Dry matter content is between 18-19%. Good consistency and good taste.

"Javakheturi" has strong stems and very good covering. Producing white flowers and berries. The variety has medium tolerant ability to mechanical damage Good drought and heat-resistant. Good tolerance to internal defects. Good storability.

Picture:



Status: Registration in force

Number of Registration: 045

Date of Registration: 2014 04 28

Name of Varieties: *Imeruli*

Generation and Species in English and in Latin: *Hazelnut* *Corylus pontica*

Name, Surname of Breeder(s):

Nadezhna Mirotadze (GE);

Iuza Vasadze (GE);

Maia Mirotadze (GE)

#### Brief Description of Varieties:

The variety "Imeruli" is strong growing (2,5-3,0 m.) with compact and pyramid-shape crown. It develops roots and spear cervix in a small amount. Blows from the second half of December to February. There are 3-4 fruits in the bract, rarely – 1-2; cover is longer than fruit, opened from crenate edge.

The fruit is easily falls from the cover. Ripes in the second half of August. Fruit is big, round-shape, size – 23x22x21mm. shell has average fortress, and is thin. Core productivity is 53- 55%. Male (ament) flowers characterized with intensive development and long blowing. Annual harvest is regular. Harvest of one root (bush) on average gives up to 6-7 kg hazelnut. It is relatively resistant against vermin-diseases and adverse conditions of environment. It is recommended to be cultivated for industrial function in the regions of Imereti, Guria and Kakheti.

Picture:



Status: Registration in force

Number of Registration: 046

Date of Registration: 2014 04 28

Name of Varieties: *Iberia*

Generation and Species in English and in Latin: *Hazelnut* *Corylus colurna*

Name, Surname of Breeder(s):

Nadezhna Mirotadze (GE);

Iuza Vasadze (GE);

Maia Mirotadze (GE)

#### Brief Description of Varieties:

The variety "Iberia" is strong growing, pyramid-shaped canopy, tree grows 5-27 m., diameter 0,2-1 m. Found in both the Eastern and the Western Georgia, at an altitude of 400-1700 m. It do not develops spear cervix, multiplied by seeds, grafting. Flowering period: from December until the end of January. Foliage is oval, the tip are sharp and double-toothed. Cover is twice longer then fruit, and the fruit falls from cover. Ripening period of the first half of August till September.

Fruit is oval, has thick shell and easily braking. Core productivity 45%, fruit size is 19x17x16 mm, Harvest from a root averagely gives 35-45 kg hazelnut. It is relatively resistant against vermin-diseases and adverse conditions of environment.

Picture:



Status: Registration in force

Number of Registration: 047

Date of Registration: 2014 04 28

Name of Varieties: *Legi*

Generation and Species in English and in Latin: *Hazelnut* *Corylus pontica*

Name, Surname of Breeder(s):

Nadezhna Mirotadze (GE);

Iuza Vasadze (GE);

Maia Mirotadze (GE)

#### Brief Description of Varieties:

The variety "LEGI" is averagely growing (2,0-2,2 m.) open crown plant. It is characterized with intensive branching; it develops roots and spear cervix in a small amount. Blows from December to February. Develops male (ament) flowers with great amount and long blowing. Fruit is slightly lengthened, shaping point; cover is short than fruit, strongly crenate, after ripening the fruit is easily falls from the cover. Fruit size is 21x19x18 mm., with light brown stripes. Ripes in the end of August; Average fortress shell, thin, easily braking. Core productivity is 53%. It is relatively resistant against vermin-diseases and adverse conditions of environment.

Recommended to cultivate as a pollinate varieties in the industrial regions of Imereti, Guria and Kakheti.

Picture:



Status: Registration in force



**Number of Registration:** 048

**Date of Registration:** 2014 04 28

**Name of Varieties:** *Nugo*

**Generation and Species in English and in Latin:** *Walnuts* *Juglans regia L.*

**Name, Surname of Breeder(s):**

Nugzar Shengelia (GE)

**Brief Description of Varieties:**

The variety "NUGO" is weakly growing, height of 6 years grafted plant is 2,5 m. It begins blowing after 2 years from planting, harvest of six-year plant is 5,5-6,0 kg.

Fruiting type is lateral, blowing begins in the end of April; type of flowering is proterandrie. The fruit is ripening from the second half of September. The fruits are of average size, mass 11,8 g., has oval shape. Thin shell is 1,1 mm., easily braking.

Core is light straw and delicious. Core productivity is 53,5%, fatness is 67,9%. Deep, reach with humus, weak, alkali reaction soils are optimal. Optimal scheme of cultivation is 7x5 m. Needs trimming.

**Picture:**



**Status:** Registration in force

Number of Registration: 049

Date of Registration: 2014 04 28

Name of Varieties: *Anano*

Generation and Species in English and in Latin: *Walnuts* *Juglans regia L.*

Name, Surname of Breeder(s):

Nugzar Shengelia (GE)

#### Brief Description of Varieties:

The variety "ANANO" is weakly growing, height of 6 years grafted plant is 3,0 m. It begins fruiting after 2 years from planting, harvest of six-year plant is 5,0-5,5 kg.

Fruiting type is lateral, blowing begins in the end of April; type of flowering is proterandrie. In Tbilisi condition the fruit is ripening in the end of August, first decade of September. The fruits are of average size, mass is 10,5 g., has oval shape. The main coefficient is 0,96. Thin shell is 0,7-0,8 mm., easily braking. Sometimes the core appears.

Core brownish-straw-colored and delicious. Core productivity is 56,5-60%, fatness is 69,5%. Deep, reach with humus, weak, alkali reaction soils are optimal. Optimal scheme of cultivation is 7x5 m. Needs trimming.

Picture:



Status: Registration in force

Number of Registration: 050

Date of Registration: 2014 04 28

Name of Varieties: Ivory

Generation and Species in English and in Latin: Spring Oat Avena sativa L.

Name, Surname of Breeder(s):

SAATEN UNION GmbH (DE)

#### Brief Description of Varieties:

Spring oat "IVORY" (Superior Milling Quality) (botanical taxon is Avena sativa L.) is a widely distributed white-hulled oat variety from Germany. The breeder is Nordsaat Saatzeit GmbH. "IVORY" comes from conventional pedigree breeding (cross NORD 950 x Gramina) The variety has a high and stable yield as well as quality potential over many different climatic regions world wide. It is profitable for both oat millers and farmers. "IVORY" has a quick development after sprouting combined with fast grain filling as well as early panicle emergence and ripening. So, its drought tolerance at continental growing conditions is high. The variety has medium height and medium to high lodging resistance. Its resistance to mildew, crown rust and Hlelminthosporium is medium to high "IVORY" is well suited to low input cropping like organic farming. The variety is characterized by an outstanding grain quality level for food and feed. Many oat processors in Europe and abroad prefer its quality profile to be produced at contract cropping. Sowing time and quantity should be locally adapted.

"IVORY" is registered at the National Plant Variety Lists in Germany, Russia, Ukraine, Belarus, Finland, Lithuania, Latvia, Estonia and Luxemburg. Additionally. it is marketed via EU Plant Variety List in Sweden, Denmark, Norway, Poland and the Netherlands presently. In the whole area of the European Union "IVORY" is protected by the Community Plant Variety Office (CPVO).

#### Picture:



Status: Registration in force

Number of Registration: **051**

Date of Registration: **2014 07 30**

Name of Varieties: ***Egrisi***

Generation and Species in English and in Latin:

*Mulberry*

*Morus Multicaulis Pers*

Name, Surname of Breeder(s):

Zeniko Putkaradze (GE);

Nodar Stepanishvili (GE)

#### Brief Description of Varieties:

The variety "Egrisi" is revealed in zone of infection contaminations, Man, s. Educes oval compact to a cron. Annotinous, propagules the big straight lines. Nephrites three corner, large, be dark-cinnamon, sitting. A sheet green, fleshy, mild, a good consistence. Shanks tolerate good storage in polity,s pouches. The kind is not acquisitive to diseases nettle head of leaves. It is characterized high harvest and fodder advantage of a sheet.

Picture:



Status: Registration in force



Number of Registration: **052**

Date of Registration: **2014 07 30**

Name of Varieties: ***Nata***

Generation and Species in English and in Latin:

*Mulberry*

*Mulberry Morus alba L.*

Name, Surname of Breeder(s):

Petre Naskidashvili (GE);

Liana Tabliashvili (GE)

#### Brief Description of Varieties:

Breed "Nata" bisexual was obtained by the method of chemical mutagenesis. Crown of a tree is ball like, slightly spread. One years sprouts are large linear or slightly declined (170-180 cm.). It develops many growing sprouts. Buds triangle, of average size. Leaf green, fleshly surface, a leaf- slightly mavy. Grafts are well kept in cellophane bags. Breed in winter resistant. It is also resistant against leaf curl, in regular technical conditions gives 10 t/ hectar leaf yield.

Picture:



Status: Registration in force

Number of Registration: **053**

Date of Registration: **2014 07 30**

Name of Varieties: ***Kutaisuri - 1***

Generation and Species in English and in Latin:

*Mulberry*

*Morus bombycis Koidz*

Name, Surname of Breeder(s):

Giorgi Nikoleishvili (GE); Zaur Asatiani (GE);  
Liana Nacvlshvili (GE); Nazi Tvalchrelidze (GE);  
Tina DalaliShvili (GE)

#### Brief Description of Varieties:

Belongs to *Morus Koidz* group, is, characterized by intensive ramification. The plant is monocious, female. The leaf is large, egg-shape, silver dark green color, plain, rarely sectionized. Branches are straight, sometimes partially bent. The graft is cylindrical, a bit wrinkled. Buds are of medium-size, triangle-shape, densely adjoined to branches. The crone is well-advanced, having bowl-like form. Arrangement of branches in the crone is vertikal. Knots are located on the distance of 4,5 cm.

The Main way of propagation is grafting of over-wintered buds in warm ground. Young 7-8 year old plant yields on the average 43.6 c per hectare, and adult, 15-16 year old plants correspondingly 72.8 c.

In a zone of high risk for curly-leaf disease the plant is characterised by high ability of regeneration and productivity.

Picture:



Status: Registration in force

Number of Registration: **054**

Date of Registration: **2014 07 30**

Name of Varieties: ***Kutaisuri - 2***

Generation and Species in English and in Latin:

*Mulberry*

*Morus bombycis Koidz*

Name, Surname of Breeder(s):

Giorgi Nikoleishvili (GE); Zaur Asatiani (GE);  
Liana Nacvlishvili (GE); Nazi Tvalchrelidze (GE);  
Emzar Choladze (GE)

#### Brief Description of Varieties:

Belongs to *Morus Koidz* group, is characterized by intensive ramification, develops large quantity of leading branches, fructification is lower than average. The leaf is large, egg-shape, silver dark green color. Branches are straight, sometimes partially bent, grey colour, with medium-size knots.

Triangle shape leaf buds adjoin densely to branches. The crone is well advanced having bowl-like form.

The grades are propagated by grafting of winter buds. Though its multiplication is possible by grafting the overwintered buds in warm ground. Young 7-8 year old plant yields on the average 45.5c per hectare, and adult (15-16 year) plants correspondingly 108 c. It is characterised by high stability to disease of curly-leaf, especially is characterised by high of regeneration and productivity.

Picture:



Status: Registration in force

Number of Registration: 055

Date of Registration: 2014 07 30

Name of Varieties: *Kazbegi*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

Lomouri Farming Institute of Georgian State Agrarian University (GE);  
Liana Qirikashvili (GE); Tamara Kodua (GE);  
Galina Meparishvili (GE); Soso Meparishvili (GE);  
Avtandil Mumladze (GE); Zurab Jinjikhadze (GE);  
Ana Gulbani (GE); Nino Lominadze (GE);  
Manana Berishvili (GE)

**Brief Description of Varieties:**

"Kazbegi" Bred by crossing of the line B73Ht with the line LH51.

The Type of grain – dent. Grain is yellow. Mass of 1000 grains is 315 gr. The Number of grain rows 16-18. The form of a ear weak conic. The color of pivot is pink rosy. The height of a plant (including panicle) is 268 cm, the number of leaves on the main stem is 19-20, the number of the knees above surface is 17; It is not characterized with business. On the plant there is developed 1,0 corn-cob.

Stem is resistant to Lodging.

Hybrid "Kazbegi" is high resistant to *Helminthosporium Tursicum* and medium resistant to fusarium and *Ustilago maydis*. Vegetation period from germination to fust maturity 127 days. The yield of grain 7-9 t/ha. Using Grain can be used as feed for animals. The hybrid is recommended for spreading at the lowland zone of West Georgia and at the irrigated regions of East Georgia.

**Picture:**



**Status:** Registration in force



Number of Registration: **056**

Date of Registration: **2014 09 16**

Name of Varieties: **Таня**

Generation and Species in English and in Latin: *Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

ООО „Агронет“ (GE)

#### Brief Description of Varieties:

Создан в Краснодарском научно-исследовательском институте сельского хозяйства им П. П. Лукьяненко методом трехкратного отбора из гибридной популяции полученной методом возвратного скрещивания „Тритикале“ с пшеницей. Сорт полукарликовый на 5-6 см выше стандартного сорта „Скифянка“, высоко устойчив к полеганию и устойчив к осыпанию. Скороспелый, колосится и созревает одновременно или на один день позже „Скифянка“. Устойчив к желтой ржавчине, мучнистой росе и пыльной головне. Обладает высокой полевой устойчивостью к фузариозу колоса и бурой ржавчине, зимостойкость выше, а засухо-устойчивость на уровне стандартного сорта. Урожайность по занятому пару в среднем за 3 года (1999-2001) в КНИИСХ достигла 97,5 центнера зерна с 1 га, что выше сорта „Скифянка“, на 15,4 ц с 1 га.

Преимущество перед лучшим районированным сортом „Крошка“ составило 11,4 ц с 1 га в среднем по 4-м предшественникам за три года испытания урожайность сорта „Таня“ составила 77,8 ц зерна с 1 га, что выше стандартного сорта на 9,3 ц с 1 га. конкурсном сортоиспытании на Северокубанской сельско-хозяйственной опытной станции в среднем по трем предшественникам урожайность нового сорта составила 89,0 центнеров зерна с 1 га, а превышение над „Скифянкой“ 21,88 ц с 1 га по качеству зерна отвечает требованиям ГОСТа, предъявляемым к сильным пшеницам.

Picture:



Status: Registration in force

Number of Registration: 057

Date of Registration: 2014 09 16

Name of Varieties: Юка

Generation and Species in English and in Latin: Wheat *Triticum aestivum L.*

Name, Surname of Breeder(s):

ООО Агронет (GE)

#### Brief Description of Varieties:

Сорт Юка создан в Краснодарском НИИСХе с помощью четырехкратного индивидуального отбора из гибридной популяции, полученной при скрещивании сорта „Половчанка“ и „Руфа“. Сорт Юка является Разновидность *lutescens*. Сорт среднерослый (высота соломины около 100 см), устойчив к полеганию и осыпанию, среднепозднеспелый, созревает на 3-4 дня позже стандарта „Память“. Колос веретеновидный, близкий к цилиндрическому, в верхней части имеются остевидные отростки длиной до 3-х см. Зерно красное, средней крупности, масса 1000 зерен 40-43г, натура зерна 790- 820 г/л. Зимостойкость средняя, на уровне или несколько выше зимостойкого стандартного сорта „Память“. Обладает высокой засухоустойчивостью и жаровыносливостью. В полевых условиях слабо поражается бурой, желтой и стеблевой ржавчинами, мучнистой росой, в средней степени септориозом. На искусственном инфекционном фоне устойчив к указанным выше болезням и более слабо, в сравнении со стандартом, поражается твердой головней. Сорт обладает умеренной устойчивостью к фузариозу колоса, что очень важно при возделывании пшеницы в южно-предгорной зоне, где одним из основных предшественников является кукуруза на зерно, а погодные условия в период цветения и созревания пшеницы благоприятствуют распространению и развитию патогена.

Сорт „Юка“ обладает высокой стабильной продуктивностью по годам и при возделывании по различным предшественникам. В конкурсном сортоиспытании института по 4-м предшественникам 2007-2008 гг. средняя урожайность его составила 86,2 ц с га, что больше в сравнении со стандартом „Память“ на 5,2 ц с га. Прибавки по предшественникам занятой под кукурузой на зерно, подсолнечник и озимая пшеница составили соответственно 4,6; 4,4; 5,5; 5,2 ц с га. Мукомольно-хлебопекарное качество зерна хорошее. Среднее содержание белка в зерне 13,8 %, сырой клейковины - 26,5 %, показатель ИДК - 65 е.п, сила муки - 200-220 е, а валориметрическая оценка - 58 е.в, объемный выход хлеба - 630 мл. общая хлебопекарная оценка - 4,0 балла. Сорт пригоден для возделывания по всем предшественникам на средних и высоких агрофонах.

Picture:



Status: Registration in force

Number of Registration: **058**

Date of Registration: **2014 09 16**

Name of Varieties: **MULAN**

Generation and Species in English and in Latin: *Winter wheat* *Triticum aestivum L.em*

Name, Surname of Breeder(s):

SAATEN UNION GmbH

**Brief Description of Varieties:**

Winter wheat MULAN (German B-Quality) (*Triticum aestivum* L.emend) is a German variety that has been registered in 2006. The breeder is Nordsaat Saatzeit GmbH. Mulan is also registered in 14 other countries. Mulan was bred by (A\*B)\*C crossing with A=RONUS, B=ESTICA and C=MAVERICK in 1997. Double haploid production has followed. This high yielding variety is characterized by early ripeness and high ecological stability. Mulan is profitable for both bakers and for the farmers. Winter hardiness and drought tolerance are high. Sowing time and quantity should be locally adapted. The variety has medium height and lodging resistance. Resistance to mildew and fusarium are on medium level and resistance to brown rust and yellow rust are average. This data based on German VCU-testing.

Please notice that Mulan was tested in Romania and Ukraine too. Results should be available.

**Picture:**



**Status:** Registration in force



Number of Registration: 059

Date of Registration: 2014 09 16

Name of Varieties: *SCARPIA*

Generation and Species in English and in Latin:

*Winter Barley*

*Hordeum Vulgare L.*

Name, Surname of Breeder(s):

SAATEN UNION GmbH

**Brief Description of Varieties:**

Scarpia is a six-row winter barley variety from Germany, bred by W.von Borries-Eckendorf GmbH & Co. KG. It is an early variety with low culm and ear bending.

Scarpia realizes high and solid yield, even under rough and dry conditions, with high grain quality.

Picture:



**Status:** Registration in force



Number of Registration: 060

Date of Registration: 2014 09 16

Name of Varieties: *TITUS*

Generation and Species in English and in Latin:

*Winter Barley*

*Hordeum Vulgare L.*

Name, Surname of Breeder(s):

SAATEN UNION GmbH

**Brief Description of Varieties:**

Titus is a six-row winter barley variety from Germany, bred by W.von Borries-Eckendorf GmbH & Co.KG. This single-ear-type has large and well developed grains with a high specific weight.

Titus combines high lodging resistance with healthy leaves, good winter hardiness and fast starting in spring.

Picture:



**Status:** Registration in force

Number of Registration: 061

Date of Registration: 2014 10 06

Name of Varieties: AS 34005

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

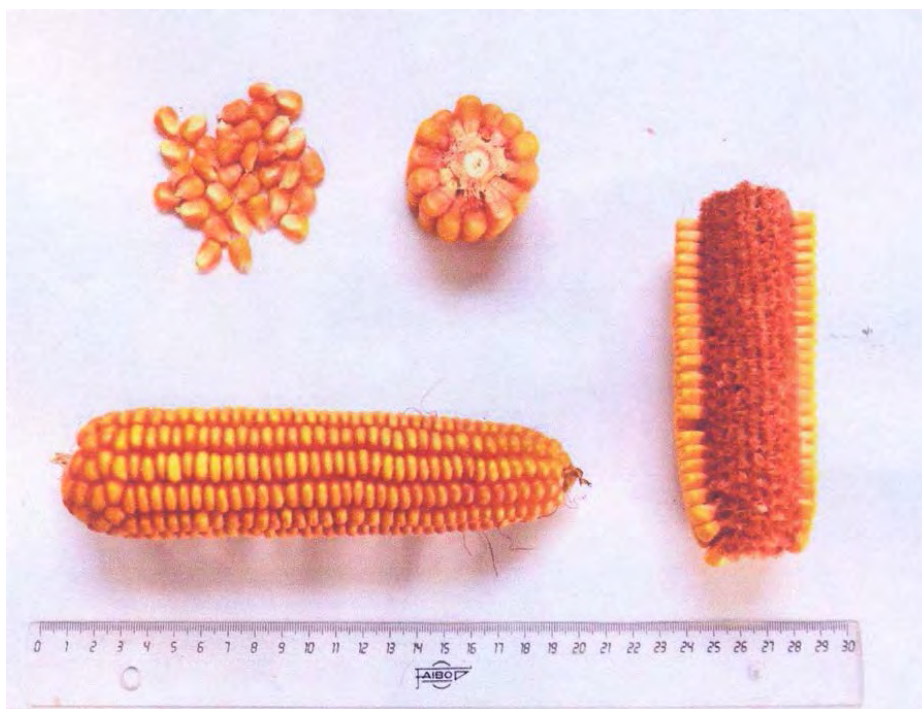
Seed – propagated: Hybrid F1.

Three-way crossing hybrid: PN1312\*PN3020 x PN1010.

Main economical use of the variety: multipurpose (for grain as well as for silage).

High plant. 34005 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content.

**Picture:**



**Status:** Registration in force

Number of Registration: **062**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 32005**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: PN4035\*PN2037.

Main economical use of the variety: multipurpose (for grain as well as for silage).

Rather high plant. 32005 is a drought-tolerant maize plant. Good adaptation to varied environments.

High oil content.

**Picture:**



**Status:** Registration in force

Number of Registration: **063**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 13330**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: 13QQ0504\*13FR1618.

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 13330 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content.

**Picture:**



**Status:** Registration in force



Number of Registration: **064**

Date of Registration: **2014 10 06**

Name of Varieties: ***AS 34012***

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: PN3037 x PN3025.

Main economical use of the variety: multipurpose (for grain as well as for silage). Medium height plant. 34012 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content.

**Picture:**



**Status:** Registration in force

Number of Registration: **065**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 34103**

Generation and Species in English and in Latin:

*Common Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid : (HP3009IA\* HP212I) x HP455R

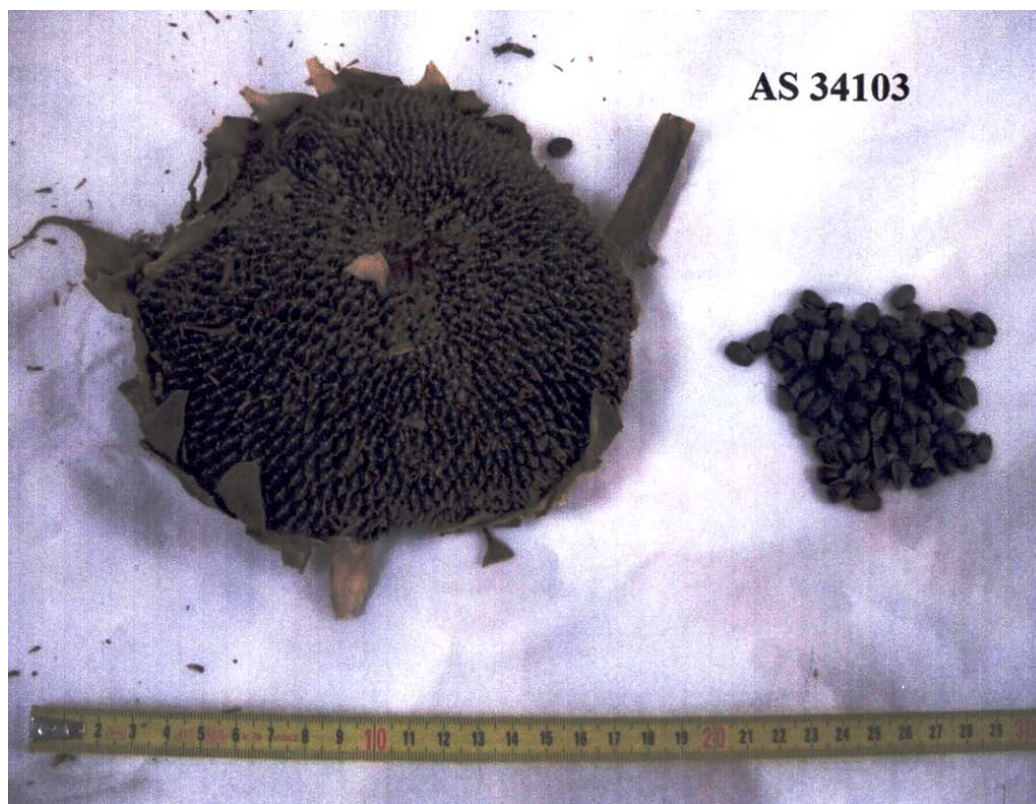
HP3009IA\* HP212I = FHP309212.

Main economical use of the variety: oil.

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging. Excellent disease resistance.

**Picture:**



**Status:** Registration in force

Number of Registration: **066**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 34102**

Generation and Species in English and in Latin:

*Common Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

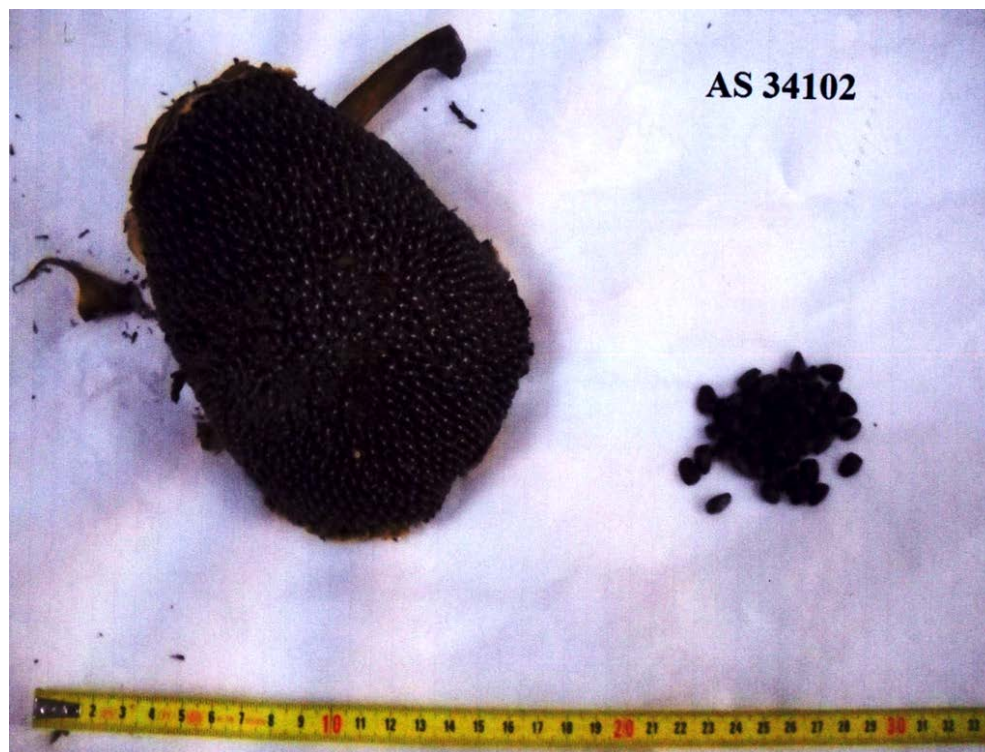
Three-way cross hybrid : (HP3009IA\*HP212I) x HP468R    HP3009IA\*HP212I = FHP309212.

Main economical use of the variety: oil.

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force



Number of Registration: **067**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 34111**

Generation and Species in English and in Latin:

*Common Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

Brief Description of Varieties:

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: LC1093A x HP249ER.

Main economical use of the variety: oil.

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging. Excellent disease resistance.

Picture:



Status: Registration in force



**Number of Registration:** 068

**Date of Registration:** 2014 10 06

**Name of Varieties:** *AS 34110*

**Generation and Species in English and in Latin:**

*Common Sunflower*

*Helianthus annuus L.*

**Name, Surname of Breeder(s):**

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Seed – propagated: Hybrid F1.

Single-cross hybrid: IA1079DMR x HP3815IR.

Main economical use of the variety: oil.

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging. Excellent disease resistance.

**Picture:**



**Status:** Registration in force

Number of Registration: 069

Date of Registration: 2014 10 06

Name of Varieties: AS 13290

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: 13RR1860\*PN1005.

Main economical use of the variety: multipurpose (for grain as well as for silage).

High plant. AS 13290 is a drought-tolerant maize plant. Good adaptation to varied environments.

High oil content.

**Picture:**



**Status:** Registration in force

Number of Registration: 070

Date of Registration: 2014 10 06

Name of Varieties: AS 13291

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: 13DL1825\*13QQ0466.

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 13291 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content.

**Picture:**



**Status:** Registration in force

Number of Registration: **071**

Date of Registration: **2014 10 06**

Name of Varieties: **AS 13320**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A. (LU)

**Brief Description of Varieties:**

Crossing: controlled cross.

Seed – propagated: Hybrid F1.

Single-cross hybrid: 13QQ0504\*13FM1069.

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 13320 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content.

**Picture:**



**Status:** Registration in force



Number of Registration: **072**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 13250**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: 13RR1860 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 13250 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **073**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 33112***

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: RK177 x RGNX13

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **074**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 33106***

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: LC1093A x RG1007

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **075**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 33102 KL***

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: HP212A & HP468R

Main economical use of the variety: oil

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force



Number of Registration: 076

Date of Registration: 2015 01 27

Name of Varieties: AS 33103 KL

Generation and Species in English and in Latin:

*Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: HP212A x HP455R

Main economical use of the variety: oil

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **077**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 33108**

Generation and Species in English and in Latin:

*Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: LC1093A x HP151R

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **078**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 33104 KL***

Generation and Species in English and in Latin:

*Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid : HP1004IA x HP468R

Main economical use of the variety: oil

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: 079

Date of Registration: 2015 01 27

Name of Varieties: AS 33019

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

BRIEF DESCRIPTION OF PLANT VARIETIES:

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: (PN3020 x PN3031) x PN1003

Main economical use of the variety: multipurpose (for grain as well as for silage)

Rather high plant. AS 33019 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: 080

Date of Registration: 2015 01 27

Name of Varieties: AS 33007

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

#### Brief Description of Varieties:

Information on the breeding scheme

Crossing: controlled cross

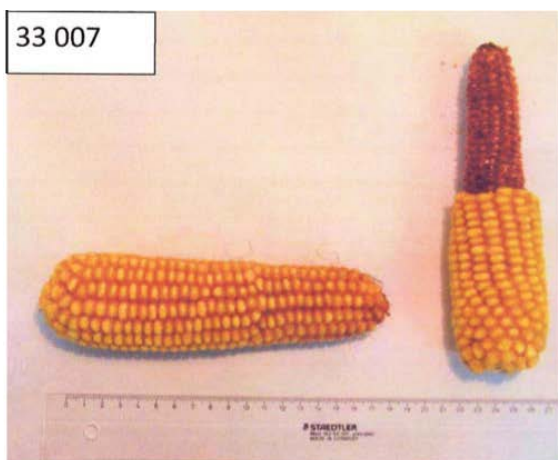
Seed – propagated:Hybrid F1

Single-cross hybrid: (PN3016xPN3017) x (K2577AxK2579A)

Main economical use of the variety: multipurpose (for grain as well as for silage)

Rather high plant. AS 33007 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: **081**

Date of Registration: **2015 01 27**

Name of Varieties: ***HORNET***

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: MS552AxMR4135

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **082**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 33101**

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Three-way cross hybrid: HA26IMI x HP468R

Main economical use of the variety: oil

Rather high plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: **083**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 13281***

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: 13DL1825 x 13QQ2166

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 13281 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: **084**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 13270***

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated:Hybrid F1

Single-cross hybrid: 13QQ0504 x 13DL1825

Main economical use of the variety: multipurpose (for grain as well as for silage)

Short height plant. AS 13270 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **085**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 13260**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: 13QQ2166 x 13AD0192

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 13260 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **086**

Date of Registration: **2015 01 27**

Name of Varieties: **PAN 240**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: (PN3016 x PN3017) x SV15

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. PAN 240 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **087**

Date of Registration: **2015 01 27**

Name of Varieties: ***AS 33003***

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: (PN3032xPN3031) x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Rather high plant. AS 33003 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: **088**

Date of Registration: **2015 01 27**

Name of Varieties: **PAN 200**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: (PN3016 x PN3017) x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. PAN 200 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **089**

Date of Registration: **2015 01 27**

Name of Varieties: **PAN 201**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: (D06 x D09) x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. PAN 201 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



Status: Registration in force

Number of Registration: 090

Date of Registration: 2015 01 27

Name of Varieties: AS 33039

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: PN3034 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 33039 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **091**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 33049**

Generation and Species in English and in Latin:

*Maize*

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: PN3032 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 33049 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: 092

Date of Registration: 2015 01 27

Name of Varieties: AS 33002

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

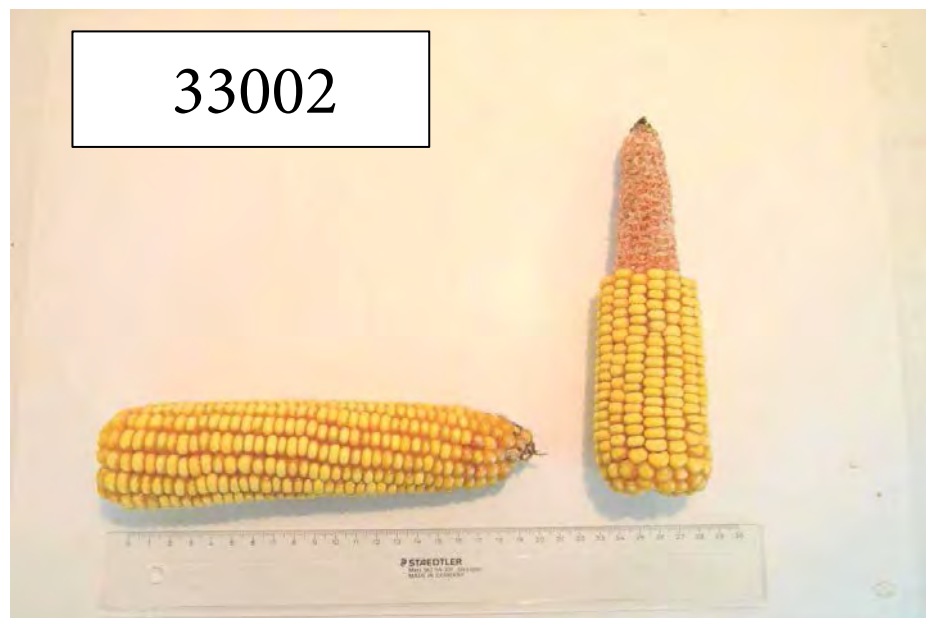
Seed – propagated: Hybrid F1

Single-cross hybrid: PN3031 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Rather high plant. AS 33002 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **093**

Date of Registration: **2015 01 27**

Name of Varieties: **AS 33034**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S.A (LU)

**Brief Description of Varieties:**

Information on the breeding scheme

Crossing: controlled cross

Seed – propagated: Hybrid F1

Single-cross hybrid: PN3028 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 33034 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: 094

Date of Registration: 2015 06 01

Name of Varieties: AS 14273

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Three-way cross hybrid: (13QQ0504 x 13FM1069) x 13DL1825

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14273 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: 095

Date of Registration: 2015 06 01

Name of Varieties: AS 14283

Generation and Species in English and in Latin: Maize *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

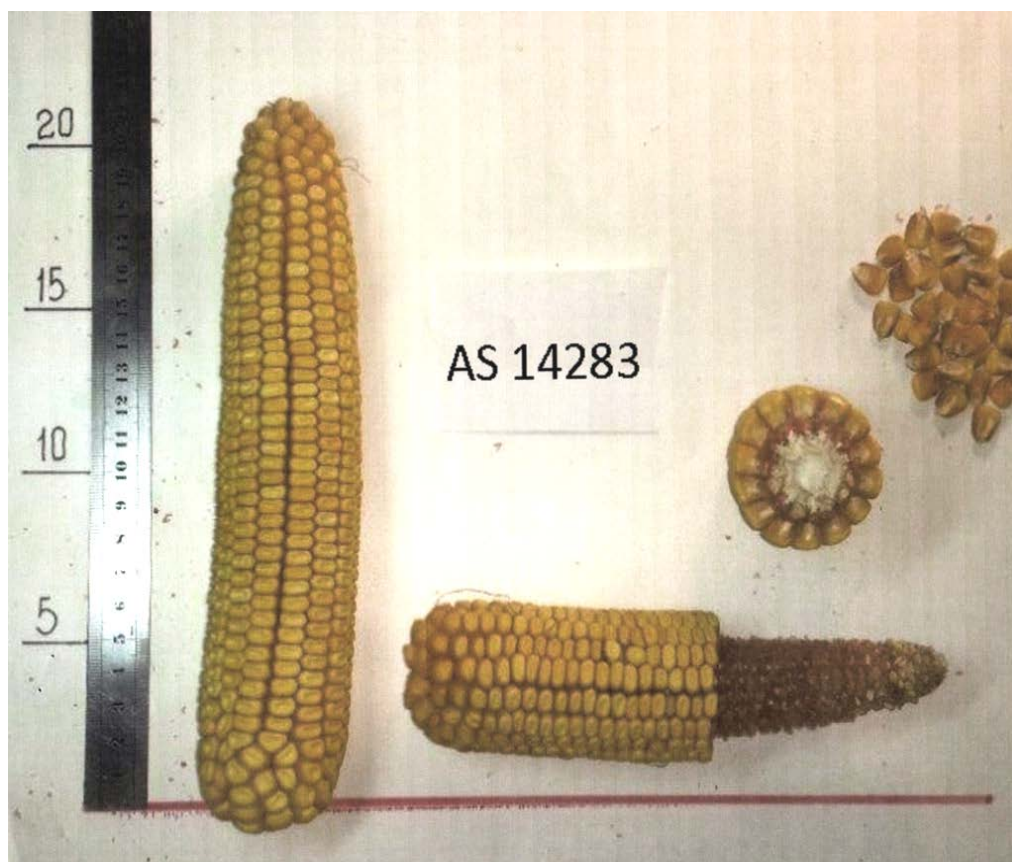
Seed-propagated: Hybrid F1

Three-way cross hybrid: 13DL1825 x 13QQ2166

Main economical use of the variety: multipurpose (for grain as well as for silage).

Medium height plant. AS 14283 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: 096

Date of Registration: 2015 06 01

Name of Varieties: AS 14293

Generation and Species in English and in Latin: Maize *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Three-way cross hybrid: (13DL1825 x 13QQ0466) x 13FM1069

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14293 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: **097**

Date of Registration: **2015 06 01**

Name of Varieties: **AS 14303**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

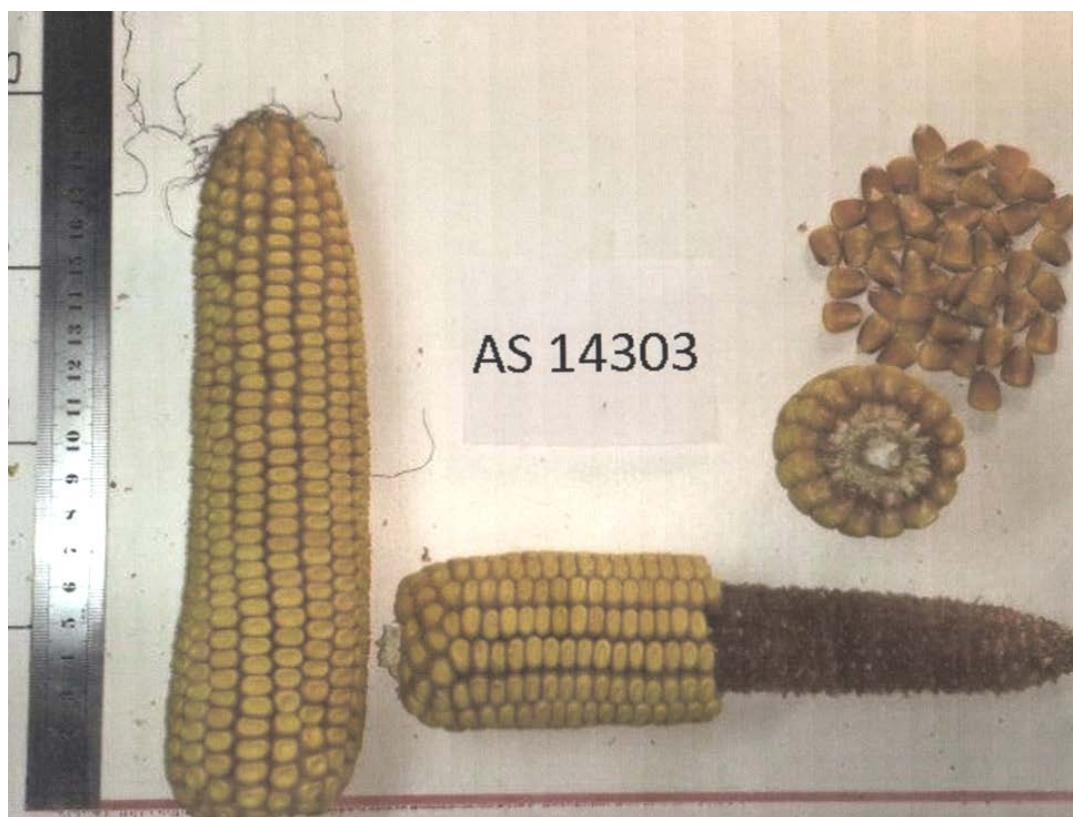
Seed-propagated: Hybrid F1

Three-way cross hybrid: (13DL1825 x 13QQ2166) x 13FM1069

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14303 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: 098

Date of Registration: 2015 06 01

Name of Varieties: AS 14315

Generation and Species in English and in Latin:

Maize

*Zea Mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: 13QQ2166 x 13FM1069

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14315 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 099

Date of Registration: 2015 06 01

Name of Varieties: AS 14350

Generation and Species in English and in Latin:

Maize

*Zea Mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

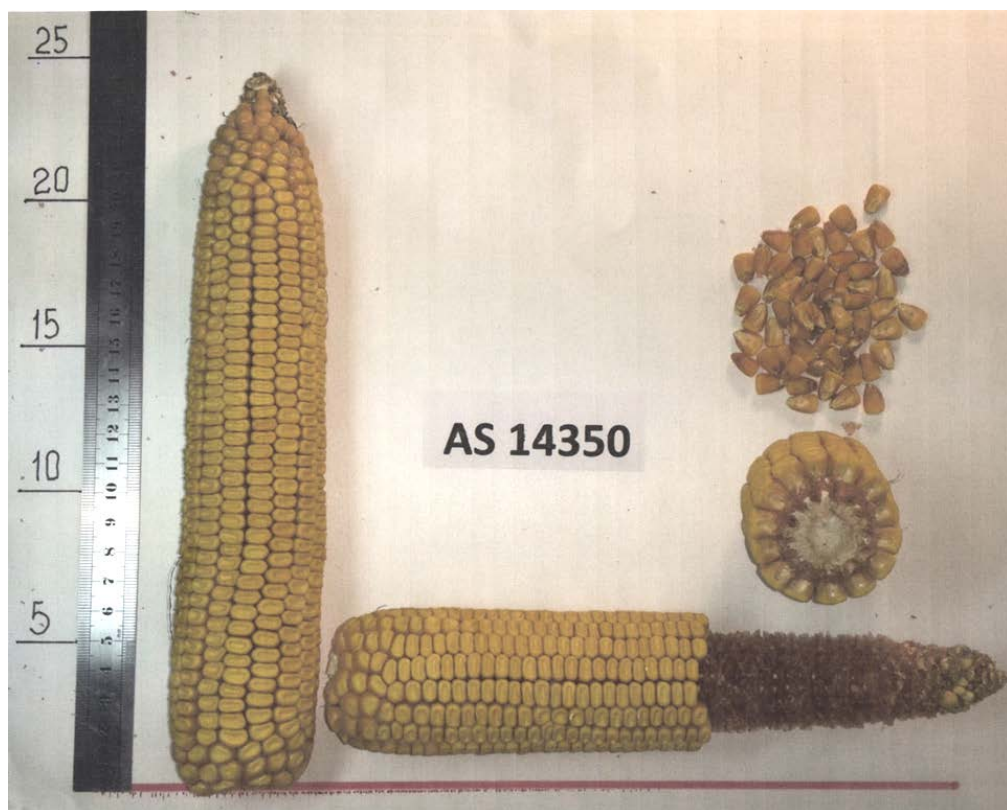
Seed – propagated: Hybrid F1

Single - cross hybrid: 13QQ2900 x 13FM1069

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14350 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force



Number of Registration: 100

Date of Registration: 2015 06 01

Name of Varieties: *AS 14370*

Generation and Species in English and in Latin: *Maize* *Zea Mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed –propagated: Hybrid F1

Single - cross hybrid: 13QQ2504 x 13FM1069

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 14370 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: 101

Date of Registration: 2015 06 01

Name of Varieties: AS 35001

Generation and Species in English and in Latin: Maize Zea Mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: PN3025 x PN1016

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35001 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 102

Date of Registration: 2015 06 01

Name of Varieties: AS 35002

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed –propagated: Hybrid F1

Single - cross hybrid: PN3025 x PN1017

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35002 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force



Number of Registration: 103

Date of Registration: 2015 06 01

Name of Varieties: AS 35003

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

#### Brief Description of Varieties:

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: PN3037 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35003 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force



Number of Registration: 104

Date of Registration: 2015 06 01

Name of Varieties: AS 35004

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: PN3038 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35004 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 105

Date of Registration: 2015 06 01

Name of Varieties: *AS 35005*

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: PN3039 x PN1005

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35005 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 106

Date of Registration: 2015 06 01

Name of Varieties: AS 35006

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Three way - cross hybrid: (PN3032 x PN3033) x PN1010

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35006 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force



Number of Registration: 107

Date of Registration: 2015 06 01

Name of Varieties: AS 35007

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Three way cross hybrid: (PN3028 x PN3034) x PN1010

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35007 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force



Number of Registration: 108

Date of Registration: 2015 06 01

Name of Varieties: AS 35008

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Three way cross hybrid: (PN1312 x PN3020) x PN1012

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35008 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 109

Date of Registration: 2015 06 01

Name of Varieties: *AS 35114*

Generation and Species in English and in Latin: *Sunflower Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed – propagated: Hybrid F1

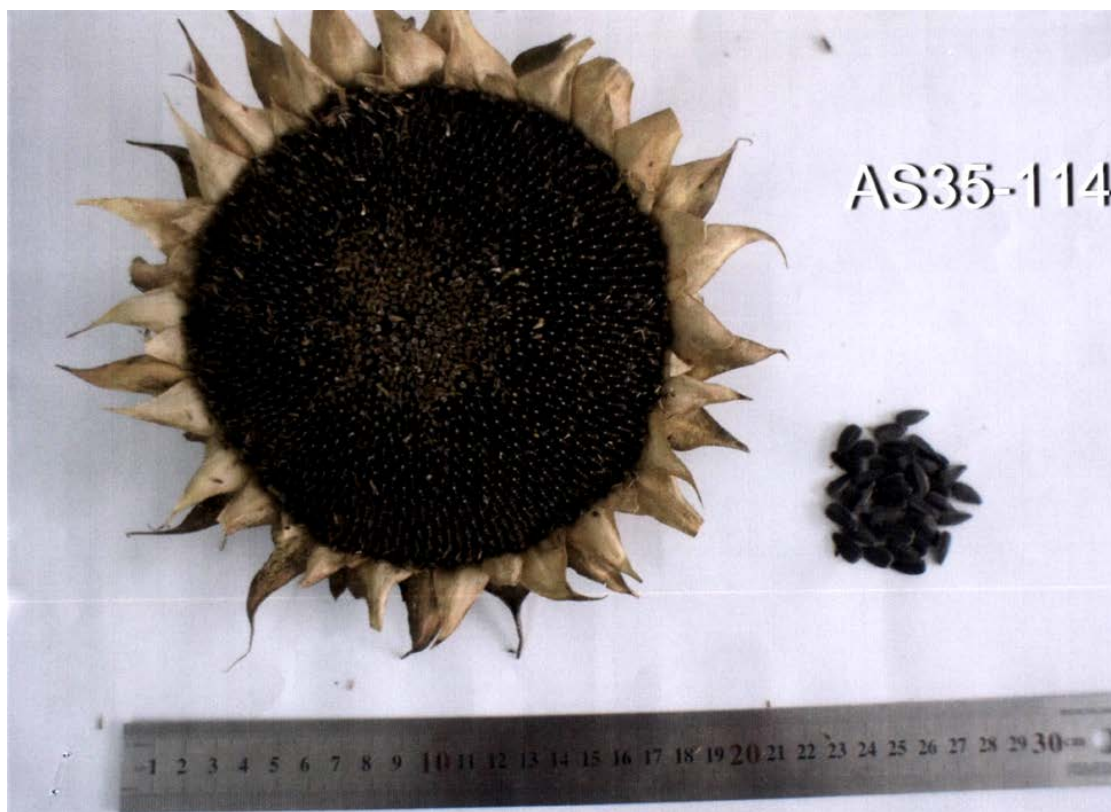
Three-way cross hybrid: HP1093SA x HP3815IR

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force

Number of Registration: 110

Date of Registration: 2015 06 01

Name of Varieties: *AS 35113*

Generation and Species in English and in Latin: *Sunflower* *Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

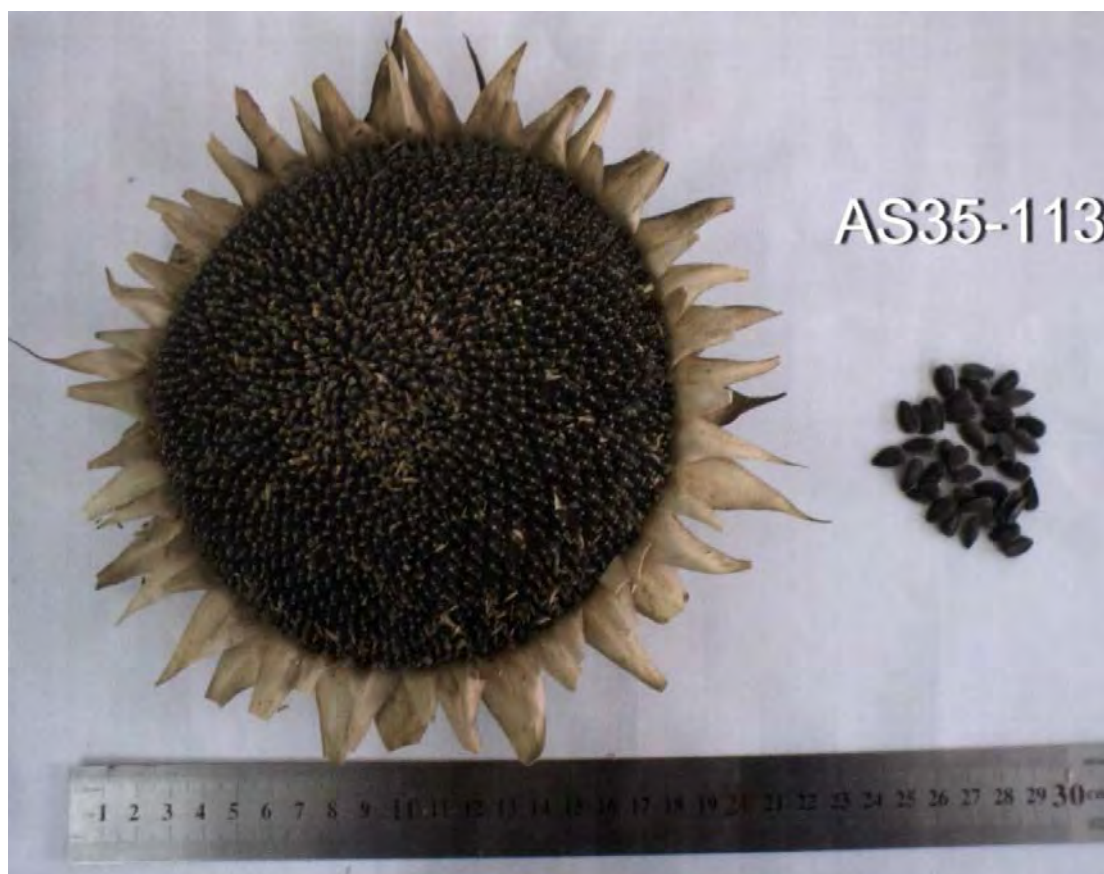
Three-way cross hybrid: FHP179309 x HP3815IR

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force



Number of Registration: 111

Date of Registration: 2015 06 01

Name of Varieties: AS 35112

Generation and Species in English and in Latin:

*Sunflower*

*Helianthus annuus L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

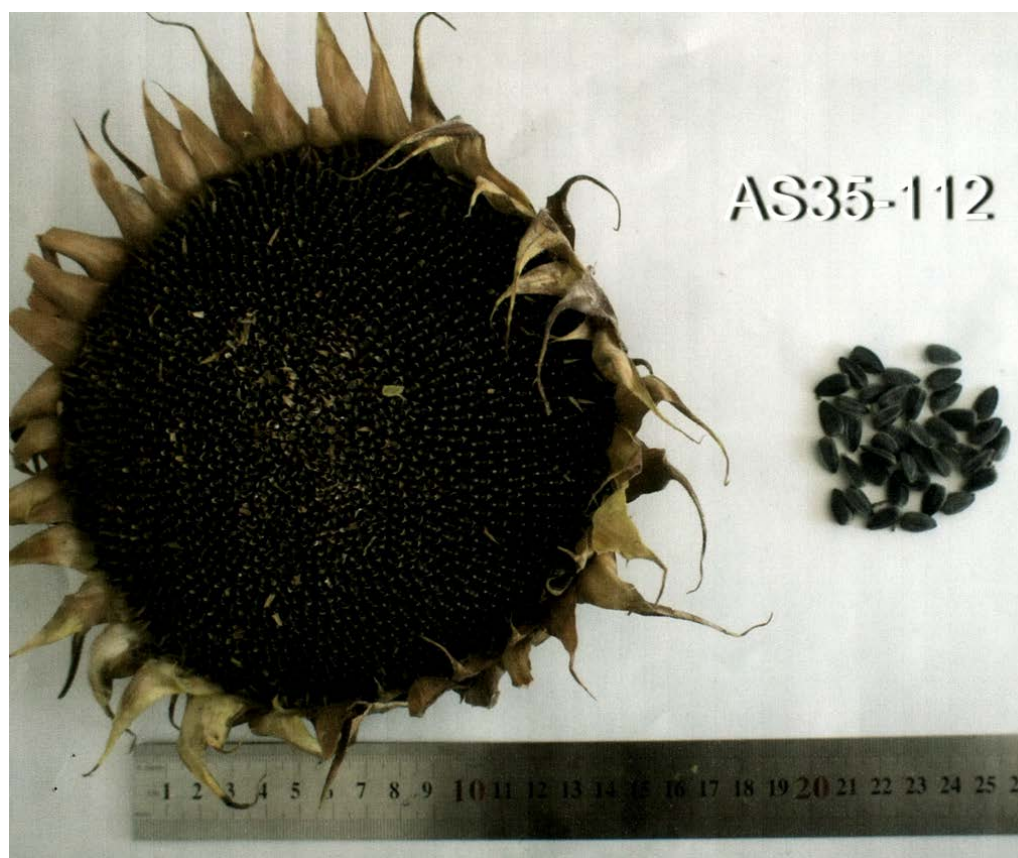
Three-way cross hybrid: FHP1793 x HP3700PR

Main economical use of the variety: oil

Medium height plant with high oil and protein content. Good adaptation to varied environments.

Hybrid is resistant to drought and lodging.

**Picture:**



**Status:** Registration in force



Number of Registration: 112

Date of Registration: 2015 06 01

Name of Varieties: AS 35009

Generation and Species in English and in Latin: Maize Zea mays L.

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed –propagated: Hybrid F1

Single - cross hybrid: PN3033 x PN1012

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35009 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 113

Date of Registration: 2015 06 01

Name of Varieties: AS 35010

Generation and Species in English and in Latin:

Maize

*Zea mays L.*

Name, Surname of Breeder(s):

ASPRIA SEEDS S. A

**Brief Description of Varieties:**

Crossing: controlled cross

Seed-propagated: Hybrid F1

Single - cross hybrid: PN3040 x PN3028

Main economical use of the variety: multipurpose (for grain as well as for silage)

Medium height plant. AS 35010 is a drought-tolerant maize plant. Good adaptation to varied environments. High oil content. Resistant to diseases.

Picture:



Status: Registration in force

Number of Registration: 114

Date of Registration: 2015 10 27

Name of Varieties: *TAIVANURI*

Generation and Species in English and in Latin: *Sweet pepper Capsicum annum L.*

Name, Surname of Breeder(s):

NatoKakabadze (GE);

Aleksandre Saralidze (GE);

Zurab Xonelidze (GE)

#### Brief Description of Varieties:

Taiwan in 2012, from the World Vegetable Center. Taivanuri was characterized by large-sized bushes and long eyelet leaves, oblong plate, and the sword tip. Mostly the fruits are raised. The fruit is hollowed, with 3 cradle, many seeds, during maturing is dry. color of fruit is changed by the ripping. Initially is green, in the seed maturity period-red.

Taivanuri is multiplying with seeds. Seeds are flat, slightly curved, pale-yellow in color. 100-130 pieces per gr of seed. Each tone of Taivanuri gives 25-30 kg of seeds. The seeds are grown up to 50-60 days before planting in rows 5-6 cm-away. After 30 days the plant is ready to seedlings. Straight standing stem, Long eye leaf, sharp tip. The fruit is irregular cylindrical shape. Weakly corrugated surface. Blunt tip, food ripeness of the fruit color should be-light green, full maturity –in the red. The meat is thick, the thickness is 0,2-0,4cm. Dry matter content is up to 12%,sugar content 3%.

Picture:



Status: Registration in force



Number of Registration: **115**

Date of Registration: **2015 10 27**

Name of Varieties: **NAMGLISEBURI**

Generation and Species in English and in Latin: *Pepper* *Capsicum annum L.*

Name, Surname of Breeder(s):

Nato Kakabadze (GE); Guram Aleksidze (GE);  
Shota Xonelidze (GE)

#### Brief Description of Varieties:

Variety “Namgliseburi” – a chilli pepper, which was received from Taiwan in 2012, from the World Vegetable center, selective number AVPP 0512-Chili. Its test was conducted in West and East Georgia`s different regions. The form of the fruit resembles the sickle shape. Since then, it generates the name of variety - namgliseburi.

Variety “Namgliseburi” is multiplied by seeds. Seeds flat, slightly curved, pale yellow in color. 200-230 pieces per gr. of seeds. The seeds are sown up to 50-60 days before planting in rows 5-6 cm - away. 30 days after the plant is ready to seedlings. Plant height – 65 cm. Straight standing stem, average branched, bushiness are observed from the first sidings. Long eye leaf, oval -shaped, with sharp tip. 2-3 flower on the stem, in standing position straight white wreath . Crown length is 1.5 cm. The fruit is a long -shaped, 12 cm. curved, slightly waisted and beard . High glossy surface. The average weight of fruit is 9-10 gr. Yield – 1.4 kg/m2. The ripe fruit in the food color should be - light green, full seed maturity - in the red. Meat thickness 0,1-0,2 cm. Beginning - strong bitterness. Dry matter content – 18-20 %, sugar content is 5-7 %.

Picture:



Status: Registration in force



Number of Registration: 116

Date of Registration: 2015 10 27

Name of Varieties: *SASALATE CHINEBULI*

Generation and Species in English and in Latin: *Tomato* *Lycopersicum esculentu*

Name, Surname of Breeder(s):

Nato Kakabadze (GE); Aleqsandre Saralidze (GE);  
Zurab Xonelidze (GE)

#### Brief Description of Varieties:

Variety "Sasalate chinebuli" according the agricultural and biological traits is earlier plant and gives the harvest before and of August. Plant is determinant, stem is strongly branched, fairly covered with leaves, and length of internodes is 4-5 cm, often lanate, with smooth surface. Leaves are weakly toothed. Flower is complicated with 4-6 flowers. fruit is red color and sparking skin, with 4 nests. Avarage weight of the ripe fruit is 80 g. Length of fruit is 7 cm, diameter of fruit is 5 sm. crop pro-ductivity yield is 55 t/ha. From germinate to starting the ripping plant needs 75 days. According the biological itinerary ripe fruit includes: dry substance-3,87%, total sugar-3,36%, ascorbic acid – 17,2%, total acidity - 0,55%.

Picture:



Status: Registration in force

Number of Registration: 117

Date of Registration: 2015 10 27

Name of Varieties: *LOMTAGORA 126*

Generation and Species in English and in Latin:

*Winter Bread Wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

"LOMTAGORA" LTD (GE);  
Kakha Lashkhi (GE);  
Irakli Rekhviashvili (GE);  
Gulnari Chkhutiashvili (GE)

#### Brief Description of Varieties:

The variety belongs to a soft wheat type (*Triticum aestivum L.*) and is the kind of the red grain form var. *lutens* (Alef).

"Lomtagora 126" is a cold and draught resistant variety, is characterized by high ability of germination, strong root system and high bushiness. The quantity of the well developed productive cones on one plant fluctuates from 7 to 12, which are located at the similar level.

In comparison with a standard variety is an early variety, the maximum height of a plant is 100 cm, it is steady against laying, it is easily threshed and is suitable for the mechanized harvesting. Ears are white, 11 cm long with well developed 20-25 cones, grains are large, red, with horny consistence. The plant is steady against fungoid diseases.

The average productivity of "Lomtagora 126" on a hectare in comparison with the control varieties "Bezostaya" 1 and "Jagger" is higher on 2-3 tons. In the conditions of a high agro background potential productivity of the variety makes 8 tons t on a hectare.

Picture:



Status: Registration in force

Number of Registration: **118**

Date of Registration: **2015 12 30**

Name of Varieties: ***Saba***

Generation and Species in English and in Latin: *Maize* *Zea Mays*

Name, Surname of Breeder(s):

Otar Liparteliani (GE); Manana Iriauli (GE);  
Giorgi Chonkadze (GE); Beka Liparteliani (GE)

**Brief Description of Varieties:**

The hybrid “Saba” is breed by interbreeding of line “MI-73” with line “IM-18”. The variety *Zea mays semindentata* has average size ear, yellow, average size grain; 1000 grain mass is 310 g., number of grain line is 14, weal cone-shaped, ear is shank pink, height of plant 260 cm. foliage quantity is 18, quantity of over ground joints is 15. 1.1 ears are developed on a plant; ear attachment height is 80 cm. It is resistant to drought and fungal diseases. It is of average-late vegetative; vegetation period is from arising to full ripening is 130 days. Grain yield on normal agro-background reaches 14-15 tonne/hectare. It is recommended to be spread in the East regions of Georgia for irrigative and non-irrigative regions of the West Georgia for grain, forage and food-stuff, as well.

**Picture:**



**Status:** Registration in force

Number of Registration: 119

Date of Registration: 2015 12 30

Name of Varieties: *Kakhura*

Generation and Species in English and in Latin: *Maize* *Zea Mays*

Name, Surname of Breeder(s):

Otar Liparteliani (GE); Manana Iriauli (GE);  
Giorgi Chonkadze (GE); Beka Liparteliani (GE)

#### Brief Description of Varieties:

The hybrid “Kakhura” is a breed by interbreeding of line “P-42” with line „Ajametis Tetri 2”. The variety *Zea mays* semidentata has average size ear, white, average size grain, 1000 grain mass is 351 g., number of grain line is 16, weal cone-shaped, ear is shank white, height of plant is 260 cm. Quantity of foliage is 17, quantity of over ground joints is 15. 1.1 ears are developed on a plant; ear attachment height is 88 cm. It is resistant to drought and fungal diseases. It is of average-late vegetative; vegetation period from arising to full ripening is 130 days. Grain yield on normal agro-background reaches 14-16 tonne/hectare. It is recommended to be spread in the East regions of Georgia for irrigative and non-irrigative regions of the West Georgia, as well.

Picture:



Status: Registration in force



Number of Registration: 120

Date of Registration: 2016 04 20

Name of Varieties: *PATARDZEULI*

Generation and Species in English and in Latin: *Almonds* *Amygdalus*

Name, Surname of Breeder(s):

Natruli Mikadze (GE)

**Brief Description of Varieties:**

New plant variety "Patardzeuli" distinguished with drought-resistance, characterized with average growing strength and late flowering, frequent frondescence, pyramid shape crown. Almonds ripens in the end of August or in the first part of September; regular fruiting after third - fourth year from planting; average yield from one tree makes up 15-17 kg, big fruit, elongated shape, thick shell, easily breakable, core productivity 42-43%, fat content 54-55%. It is resistant toward harmful diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: 121

Date of Registration: 2016 04 20

Name of Varieties: *GIKA*

Generation and Species in English and in Latin: *Almonds* *Amygdalus*

Name, Surname of Breeder(s):

Natruli Mikadze (GE)

**Brief Description of Varieties:**

It is distinguished with drought-resistance, characterized with strong growing, pyramid shape crown, flowering in the second decade of April. Ripens in the end of August, fruiting after third - fourth year from planting; average yield from one tree makes up 10-11 kg, small fruit, thin shell, easily breakable, brown core, core productivity 48-49%, fat content - 53-54%. It is resistant toward harmful diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **122**

Date of Registration: **2016 04 20**

Name of Varieties: ***ADIGENURI***

Generation and Species in English and in Latin: *Raspberry* *Rubus Ideus*

Name, Surname of Breeder(s):

LALI GOGINAVA (GE)

**Brief Description of Varieties:**

"Adigenuri" is characterized by strong growth, an upright stalk, plentiful sprouts, it requires the growing on the lanes. It prefers moisture and light. Is characterized by early blossoming, fructifies from early spring till late fall. It is a appreciable variety. Has white flowers of medium size, leaves are trimmed, of a light-green colour, fruits are large, roundish-cone-shaped, of a light-red color, flesh of light-pink color, dense, with good aroma. The fruits are easily separates from caps, the mass of one berry - 3-5 gr is frost-resistant and transportable. Harvest is 3-5 t / 1 hectare. It is susceptible to root blood.

**Picture:**



**Status:** Registration in force

Number of Registration: 123

Date of Registration: 2016 04 20

Name of Varieties: *KITSI*

Generation and Species in English and in Latin: *Strawberry* *Fragaria Ananassa*

Name, Surname of Breeder(s):

LALI GOGINAVA (GE)

**Brief Description of Varieties:**

Strawberry "Kitsi" – has a high bush, upright flower stalks, of medium size with dark green glossy leaves. Flowers are large, of white colour , hermaphrodite (have both male and female organs) . The plant is of the average period of maturing, ripens in the second decade of June. Fruit has a conical form, has dark- red color, glossy, with smaller quantity of specks. Flesh is juicy, dense, with sweet taste. Weight of one berry - 20-21 gr .The average harvest from 1 bush - 350-500 gr Frost-resistant, transportable, it is steady against wreckers and diseases.

It is recommended for fruit-growing zones of Kakheti, KvemoKartli and Samtskhe-Javakheti.

**Picture:**



**Status:** Registration in force



Number of Registration: **124**

Date of Registration: **2016 04 20**

Name of Varieties: **NIKU**

Generation and Species in English and in Latin: *Strawberry* *Fragaria Ananassa*

Name, Surname of Breeder(s):

LALI GOGINAVA (GE)

**Brief Description of Varieties:**

“Niky” - have short, woody stems and a basal rosette, with dark green glossy leaves of medium size. It is in flower from the second part of May to the first part of June The plants are characterized by stolon rooting runners that form new plantlets at the tip - that allow them to reproduce vegetative; commercial propagation is entirely by the runner. It is characterizes by upright stems. Flowers are white. The average harvest from 1 bush - 350-500 g. Fruits are large, roundish-cone-shaped, of a dark-red color. The flesh is of dark pink color, succulent, is characterized by sour-sweet taste, with an agreeable aromatic. The weight of one berry is 19-20gr. It is frost-resistant and transportable. It is a valuable material for jam.

**Picture:**



**Status:** Registration in force

Number of Registration: **125**

Date of Registration: **2016 07 25**

Name of Varieties: ***AKKORD***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct variety of a plant "Akkord" botanically known as *Solanum tuberosum L.* is a table potato for the fresh market in the Mediterranean area, South-America and Middle-east. Variety is for a medium-early period, head is round, light yellow with large percentage of big tubers.

"Akkord" has strong stems and very good covering. Producing white flowers and few berries. Medium tolerant to mechanical damage and blue spots. Good drought and heat-resistant. Good tolerance to internal defects. Good storability, partly due to a fairly long dormancy.

**Picture:**



**Status:** Registration in force

Number of Registration: **126**

Date of Registration: **2016 07 25**

Name of Varieties: ***EPIKUR***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Epikur" botanically known as *Solanum tuberosum L.* is early universal use table potato. consumption with red skin. Tuber is oval with small eyes. The rind is smooth. The flesh is dark yellow. Mass commercial tuber 90-120 gr. Marketability 90-95%. "Epikur" consumer quality is high fairly; suitable for fresh consumption. Good quality, dry matter content between 19-20 %. Cooking type B, with consistent color and good taste. Product yield 200-280 kg/ha. Resistant to stimulate cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force

Number of Registration: 127

Date of Registration: 2016 07 25

Name of Varieties: ORLA

Generation and Species in English and in Latin: Potato *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Orla" botanically known as *Solanum tuberosum L.* is early table potato for export and local consumption with yellow skin. Yield very high, about 20-25 tubers per plant. Tuber is oval with small eyes. The rind is smooth, yellow. The flesh is yellow. Mass commercial tuber 125 gr. Marketability 90-95%. "Orla" consumer quality is high fairly; suitable for fresh consumption. Good quality, dry matter content between 18-19%. Cooking type B, with consistent color and good taste. Product yield 260-280 centner/ha, at-145 kg/ha higher standards. Resistant to stimulate cancer potatoes and Golden potato nematode.

Picture:



Status: Registration in force



Number of Registration: **128**

Date of Registration: **2016 07 25**

Name of Varieties: ***ELIZABET***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Elizabet" botanically known as *Solanum tuberosum* L, is not early table potato with red skin. Size of tubers medium. Tuber is oval with small eyes. The pulp is yellow. The dry matter content is around 20%. Very good keeping capacity. "Elizabet" consumer quality is high fairly; suitable for fresh consumption. Good quality. Cooking type AB, with consistent colour and good taste. Firmly fast cooking. Resistent to Phytophthora and potato fuzarios.

**Picture:**



**Status:** Registration in force

Number of Registration: **129**

Date of Registration: **2016 07 25**

Name of Varieties: ***VANESSA***

Generation and Species in English and in Latin: *Pitato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Vanessa" botanically known as *Solanum tuberosum L.* is early table potato for export and local consumption. Vanessa Potatoes have a smooth red skin and tasty yellow flesh with good drought and common scab resistance. Vanessa is a versatile potato variety, ideal for salads, and a very good early boiling potato that can be baked as well. The dry matter content is around 20%. Very good keeping capacity. "Vanessa" consumer quality is high fairly; suitable for fresh consumption. Good quality. Cooking type AB Resistant to stimulate cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force

Number of Registration: 130

Date of Registration: 2016 07 25

Name of Varieties: *Variety "ROZARA"*

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Rozara" botanically known as *Solanum tuberosum L.* is early universal use table potato consumption with red skin. Tuber is oval with small eyes. The rind is smooth. The flesh is dark yellow. Mass commercial tuber 80-115gr. Marketability 91-96%. "Rozara" consumer quality is high fairly; suitable for fresh consumption. Good quality, dry matter content between 18-19%. Cooking type B, with consistent color and good taste. Product yield 202-310 kg/ha. Resistant to stimulate cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force

Number of Registration: **131**

Date of Registration: **2016 07 25**

Name of Varieties: ***Variety "RED SCARLET"***

Generation and Species in English and in Latin:

*Potato*

*Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Red Scarlet" botanically known as *Solanum tuberosum* L, is early table potato with red skin. Size of tubers medium-large. Tuber is oval with small eyes. The pulp is yellow. Mass commercial tuber 126. Very good keeping capacity.

"Red Scarlet" consumer quality is high fairly; suitable for fresh consumption. Good quality. Cooking type B, with consistent colour and good taste. Firmly fast cooking. Resistent to cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force



Number of Registration: **132**

Date of Registration: **2016 07 25**

Name of Varieties: ***Variety "RODRIGUES"***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct variety of a plant "Rodrigues" botanically known as *Solanum tuberosum L.* is a table potato for the fresh market in the Mediterranean area, South-America and Middle-east. Variety is for a medium-early period, head is round, light yellow with large percentage of big tubers. "Rodrigues" has strong stems and very good covering. Producing white flowers and few berries. Medium tolerant to mechanical damage and blue spots. Good drought and heat-resistant. Good tolerance to internal defects. Good storability, partly due to a fairly long dormancy.

**Picture:**



**Status:** Registration in force

Number of Registration: **133**

Date of Registration: **2016 07 25**

Name of Varieties: ***Variety "DITTA"***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Ditta" botanically known as *Solanum tuberosum L.* is early table potato for export and local consumption with yellow skin. Yield very high, about 15-25 tubers per plant. Tuber is oval with small eyes. The rind is smooth, yellow. The flesh is dark yellow. Mass commercial tuber 120gr. Marketability 89-94%. "Ditta" consumer quality is high fairly; suitable for fresh consumption. Good quality, dry matter content between 18-19%. Cooking type B, with consistent color and good taste. Product yield 245-284 centner/ha, at 43-146 kg/ha higher standards. Resistent to stimulate cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force

Number of Registration: **134**

Date of Registration: **2016 07 25**

Name of Varieties: ***Variety "Gala"***

Generation and Species in English and in Latin: *Potato* *Solanum tuberosum L.*

Name, Surname of Breeder(s):

KWS POTATO B.V. (NL)

**Brief Description of Varieties:**

The new and distinct plant variety "Gala" botanically known as *Solanum tuberosum L.* is early table potato for export and local consumption with yellow skin. Yield very high, about 7-9 tubers per plant. Tuber is oval with small eyes. The rind is smooth, yellow. The flesh is dark yellow. Mass commercial tuber 122. Very good keeping capacity. "Gala" consumer quality is high fairly; suitable for fresh consumption. Good quality, dry matter content 19%. Cooking type B, with consistent colour and good taste. Firmly fast cooking. Resistent to cancer potatoes and Golden potato nematode.

**Picture:**



**Status:** Registration in force

Number of Registration: 135

Date of Registration: 2016 09 30

Name of Varieties: *Early Blue*

Generation and Species in English and in Latin:

*Blueberry*

*Vaccinium Corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

#### Brief Description of Varieties:

This species is 1,2-1,8 m high shrub, with weak system of twig; accordingly it does not need frequent cut off. It requires optimal peat, sandy soil with acidic reaction. Great attention should be paid to irrigation. Soil upper layer must be constantly moist, but not swampy. It is an early variety and ripens from the end of June. Regular yield is 4-7 per bush. The fruit is big (13-18mm diameter, weight 1,6-2,2 g), of average size, firm, has light blue color. The bunch is small. The fruit has sour sweet and aromatic taste. Ripe berries do not fall down and the plant itself is frost resistant.

Picture:



Status: Registration declared to be null



Number of Registration: **136**

Date of Registration: **2016 09 30**

Name of Varieties: ***Sunrise***

Generation and Species in English and in Latin:

*Blueberry*

*Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

The plants of this variety have weak twig system and its height is 1,2-1,8 m, the inner part of bush is well-lit and it reduces cut off expenses. The process of ripening begins from the second decade of July. Regular high yield is 6-8 kg per bush. The fruit is very big (17-20 mm diameter), firm, fleshy, and its beautiful light blue berries are of very high quality. Crop can be harvested three times. The taste is satisfactory and after cooling becomes better.

Sunrise needs peat soil with acidic reaction. It requires permanent humidity, but is sensible to still water.

Picture:



Status: **Registration declared to be null**

Number of Registration: **137**

Date of Registration: **2016 09 30**

Name of Varieties: ***Spartan***

Generation and Species in English and in Latin:

*Blueberry*

*Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

The Spartan plants are straight; the height is 1,5-2 m. It is considered as late variety and period of ripening begins from the second decade of August. Moderate harvest per bush is 4,5-6 kg. The fruit is big (16-18 diameter), has light blue color. On the third crop, the fruit is smaller. The fruit is very aromatic and has pleasant sour taste

Spartan requires light, acidic soil (pH 3.5-4.5). It does not need frequent watering, as it is very sensitive to high humidity.

**Picture:**



Status: **Registration declared to be null**

Number of Registration: **138**

Date of Registration: **2016 09 30**

Name of Varieties: ***Toro***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"Toro" bushes are of 1,8-2 m height and compact. It begins ripening in the first decade of August. The harvest is regularly high. The fruit is big, with beautiful appearance and pleasant taste. Ripening period begins at the same time of Bluecrop, but ends earlier. The crop is harvesting only two times. "Toro" requires soft and humid, but well-drained soil, rich with organic compounds and acidic (pH 3,5-4,5). This variety is quite frost resistant.

**Picture:**



Status: **Registration declared to be null**

Number of Registration: **139**

Date of Registration: **2016 09 30**

Name of Varieties: ***Elizabeth***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

The bushes of this variety are fast growing and straight, usually the height is 1,6-1,8 m. The twigs are colored in red that indicates the high frost resistance of plant. Grows poorly in sandy soil, requires soil with moderate consistency of peat. Regularly high yield: 4-6 kg from a shrub, but harvesting period is long – several weeks. The fruit ripens from the beginning of August. The fruit is very big

(20-22mm diameter), dense, sweet and very aromatic. It can resist long transportation.

Picture:



Status: **Registration declared to be null**



Number of Registration: **140**

Date of Registration: **2016 09 30**

Name of Varieties: ***Duke***

Generation and Species in English and in Latin:

*Blueberry*

*Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"DUKE" is 1,2-1,8 meter height shrub. Sprouts are so weak, that shrub is not very branchy, it stipulates good light penetration and reduces trimming costs. Ripens from the second decade of July. Regularly has high yield: 6-8 kg from shrub. The fruit is very big (17-20 mm diameter), dense, light blue. It has pleasant taste, which gets better by cooling.

Needs very acidic (pH 4,0-5,0) peaty, moderately humid soil. Blooms rather later, flowers and the shrub are frost resistant.

**Picture:**



**Status:** **Registration declared to be null**

Number of Registration: **141**

Date of Registration: **2016 09 30**

Name of Varieties: ***Brijitta Blue***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

This variety is 1,8-2 m high straight standing bush. It ripens from second half of August. Regularly has high yield: 4-6 kg from a shrub. Fruit size is average (15 mm diameter), light blue, dense, high quality, tasty. Ripens once per year and does not fall down. Soil should be fertile, humid, and acidic. It is very sensitive to lack of moisture.

**Picture:**



**Status:** **Registration declared to be null**

Number of Registration: **142**

Date of Registration: **2016 09 30**

Name of Varieties: ***Bonus***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"Bonus" is 1,8-2 m high compact shrub. Requires light, moist, be well-drained, acidic soil rich with organic compounds. Despite, that in hot summer needs be watered at least once in week, it cannot sustain excessive humidity.

It ripens at beginning of August. Regularly has high yield. The fruit is big, has nice color and pleasant taste. Ripening period starts at the same time of "Bluecorp", but finishes earlier. It has double harvest.

Picture:



Status: **Registration declared to be null**



Number of Registration: 143

Date of Registration: 2016 09 30

Name of Varieties: *Chandler*

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"Chandler" is 1,6 metre in height, very wide, and straight standing bush. The species has very big fruit: more than 20 mm diameter, weight is 2g. In good condition gives high yield. Fruit is dark blue, very tasty and aromatic, dense. Harvesting period is long – from beginning of August up to mid-September. Grows well in acidic soil (pH 4,8-5,2), rich with organic compounds. The species is rather frost resistant.

**Picture:**



Status: Registration declared to be null



Number of Registration: **144**

Date of Registration: **2016 09 30**

Name of Varieties: ***Bluegold***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"Bluegold" bushes have compact and expand ball shape, height 1,2-1,5 meters. It ripens from the end of July. Average yield is 4-7 kg per bush. Needs optimal, light, moist, but well-drained soil rich with organic compounds. It is very sensitive to lack of moisture, not drought-resistant, needs moisture. The fruit is blue with light blue spots, big, with medium density. The fruit is long kept and good at transportation. Has a pleasant taste. The fruit can be used for raw realization, as well as for processing.

Picture:



Status: **Registration declared to be null**

Number of Registration: **145**

Date of Registration: **2016 09 30**

Name of Varieties: ***Patriot***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

The bushes of Patriot are straight with height of 1,2-1,8 m. Ripens from the second decade of July. Regular high yield is 5-7 kg per bush. The fruit is big (19 mm diameter), slightly flat, colored in light blue. The fruit, not fully matured, has characteristic red coloring. The brush has beautiful decorative appearance.

Patriot grows in light, very humid, acidic and very acidic soil (pH 3,5-5,0). The plant is moderately frost resistant.

**Picture:**



Status: **Registration declared to be null**

Number of Registration: **146**

Date of Registration: **2016 09 30**

Name of Varieties: ***Berkley***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

"Berkley" grows 1,8-2,1 meters, and is very branchy shrub. The fruit ripens in the second decade of August. Not regular yield: 4-8 kg from shrub. Berry size is from average to big (18 mm diameter). "Berkley" and Puru have densest fruit. Ripened fruit is light blue with pleasant sweet taste. Ripening comprises period from early fruiting to late fruiting. It is very sensitive for long-termed warehousing and transportation. The fruit is liable to fall down after ripening. Shrubs can be used as live fence. Leaves of the shrub are deep green and large. Great advantage of species is non pretentiousness to sharp alternations of temperature and humidity.

Picture:



Status: **Registration declared to be null**

Number of Registration: **147**

Date of Registration: **2016 09 30**

Name of Varieties: ***Bluecrop***

Generation and Species in English and in Latin: *Blueberry* *Vaccinium corymbosu*

Name, Surname of Breeder(s):

„VANRIK GREEN ENERGY” LTD

**Brief Description of Varieties:**

This variety is straight-standing shrub of 1,6-2 meters tallness. The fruit ripens from beginning of August. Regularly has high yield: 6-9 kg from a shrub. The fruit is big (18-20 mm diameter), light blue, dense, high-quality, has very pleasant taste. Berry fruit is bound in long bunches. The most appropriate soil for "Bluecrop" is humid and rich with organic compounds. It is quite frost resistant. Nowadays Bluecorp is the most common species (60% of Western European and world's plantations are cultivated). The brush is decorative in the Spring, Summer and Autumn with beautiful leaves, flowers and fruit.

**Picture:**



**Status:** **Registration declared to be null**



Number of Registration: **148**

Date of Registration: **2016 10 24**

Name of Varieties: ***TBILISURI 15***

Generation and Species in English and in Latin: *Bread wheat* *Triticum aestivum L.*

Name, Surname of Breeder(s):

LEPL Scientific Research Center of Agriculture (GE);  
Levan Ujmajuridze (GE); Tsotne Samadashvili (GE);  
Gulnari Chkhutiashvili (GE); David Bedoshvili (GE);  
Adoli Tkeshelashvili (GE)

#### Brief Description of Varieties:

The variety belongs to bread wheat (*Triticum aestivum L.*) and its read-grain awned subvariety - var. *lutescens* (Alef.).

Variety "Tbilisuri15" is distinguished by winter and drought tolerance and is characterized with a high emergence ability, strong root system and average tillering. There are about 2.5-3.5 well-developed productive spikes per plant, which are located at about the same level. "Tbilisi-15" is about 3-5 days earlier than the control variety. Its maximum height is 105 cm. It is resistant to lodging; it is ea thresh and is suitable for mechanized harvest. The spike is white, about 9.5-11 cm long, with well-developed 22-25 spikelets in average. The grain is large, red and vitreous. The resistance of the variety to fungi diseases is average.

The average yield of the variety "Tbilisuri 15" is about 1.5-2.0 tons higher than that of the control varieties "Bezostaya-1" and "Jagger". Its grain yield potential under high-input production system is about 7.5-8.5 t/ ha.

Picture:



Status: Registration in force

**Number of Registration:** 149

**Date of Registration:** 2016 10 24

**Name of Varieties:** *AGRUNI 1*

**Generation and Species in English and in Latin:** *Bread wheat* *Triticum aestivum L.*

**Name, Surname of Breeder(s):**

Non-Entrepreneurial Legal Entity Agricultural University of Georgia (GE);  
David Bedoshvili (GE); Tsotne Samadashvili (GE);  
Gulnari Chkhutiashvili (GE); Nino Kacharava (GE)

**Brief Description of Varieties:**

The variety belongs to bread wheat (*Triticum aestivum* L) and its white-grain awned subvariety - erytrospermum.

Variety "Agruni-1" is distinguished by winter and drought tolerance and is characterized with a high emergence ability, strong root system and high tillering. The number of well-developed productive spikes per plant varies from 5.5 to 7.5. The spikes are located at about the same level. "Agruni-1" is about 3-5 days earlier than the control variety. Its maximum height is 75-85 cm. "Agruni 1" is resistant to lodging; it is easy to thresh and is suitable for mechanized harvest. The spike is white, awned, about 9.5-11.5 cm long, with well-developed 23-25 spikelets in average. The grain is large, white and semi-vitreous. The resistance of the variety to fungi diseases is average. The average yield of the variety "Agruni-1" is about 1.5-2.0 tons higher than that of the control varieties "Bezostaya-1" and "Jagger" grain yield potential under high-input production system is about 7.5-8.5 t/ ha.

**Picture:**



**Status:** Registration in force

Number of Registration: **150**

Date of Registration: **2016 10 24**

Name of Varieties: ***TSVRILMARTSVALA***

Generation and Species in English and in Latin: *Masha beans* *PHAUREUS*

Name, Surname of Breeder(s):

Nato Kakabadze (GE); Avtandil Korakhashvili (GE);

Pasha Vacheishvili (GE); Natia Khonelidze (GE); Levan Tyemaladze(GE)

#### Brief Description of Varieties:

Variety “Tsvrilmartsvala” with selective number VG 6368 (46-40-4) – belongs to the bean genus, so its called as golden beans. It was received from the “Vegetables World Center, Taiwan in 2010. It is a thin seed varieties. Hence is the variety`s name – “Tsvrilmartsvala”.

It reproduces from seeds. Barrel seed shape of the seed is thin and elongated, with dark green color. Weight of the 1000 seeds – 70 grams. Length of the fruit or the bean is 7-15 cm, number of seeds in the bean 10-13, length of the seed – 3,7-7 mm.

Height of the plant – 70 cm. Straight stem, faceted, covered with down toward fur. On the bush of the variety “tsvrilmartsvala” is chosen up to 30-35 standard beans, from which we get the seed of the fruit reaches full maturity and variety-specific color-making. With calories 3.5 times more than potatoes and 6 times than corn. In the green phase beans are used in soups, salads, garnish, can. vegetative mass After harvesting : stem, leaves, unripened beans are best fodder for animals, increasing milk yield. Calorie of beans: 100 g – 56.8 kcal. 8.5 g carbohydrate is in the bean, fat – 0.1 g, protein – 6 g, organic acid – 0.7 g, water – 83 g, starch – 6 g, mono and disaccharides – 1.6 g. The grain is especially noteworthy of containing – proteins and amino: Lysine 8%, arginin 7%.

Picture:



Status: Registration in force

Number of Registration: **151**

Date of Registration: **2016 10 24**

Name of Varieties: ***UXVMOSA VLLANI***

Generation and Species in English and in Latin: *Masha beans* *PHAUREUS*

Name, Surname of Breeder(s):

Nato Kakabadze (GE); Avtandil Korakhashvili (GE);  
Guram Aleksidze (GE); Natia Khonelidze (GE);  
Tinatin Epitashvili (GE)

**Brief Description of Varieties:**

Variety “Uxvmosavliani” with selective number VG 6372 (45-8-1) – belongs to the bean genus, so it is called as golden beans. It was received from the Vegetables World Center, Taiwan in 2010. It is a high-yielding varieties. Hence is the variety’s name – uxvmosavliani. It reproduces from seeds. Barrel seed shape and umbilicus is located on the common surface of the seed. Seeds are small, with dark green color. Weight of the 1000 seeds – 80 grams. Length of the fruit or the bean is 8-18 cm, number of seeds in the bean 10-15, length of the seed – 3,5-6 mm. Height of the plant - 75 cm. Straight stem, faceted, covered with down toward fur. On the bush of the variety “uxvmosavliani” is chosen up to 35-40 standard beans, from which we get the seed of the fruit reaches full maturity and variety-specific color-making. In the green phase of the bean contains 24-37% protein, irreplaceable amino acids: lysine, tryptophan, histamine, methionine, vitamins: A, B, ascorbic acid, starch. Dry seed contains 32-37% protein compounds, 50-60% carbohydrates, 2,1-2,2g oil, 4% carotene. In the horn ripe phase seed contains 5-7% protein, 4-6% carbohydrate, pectin, vitamins: B1, B2, PP.

**Picture:**



**Status:** Registration in force



Number of Registration: **152**

Date of Registration: **2016 10 24**

Name of Varieties: ***TSILKNIS MTSVANE***

Generation and Species in English and in Latin: *Broccoli* *Brassica oleracea L.*

Name, Surname of Breeder(s):

Nato Kakabadze (GE); Elene Motiashvili (GE);  
Natia Khonelidze (GE); David Gegechkori (GE)

**Brief Description of Varieties:**

New species of Broccoli "Tsilknis Mtsvane" is received by selection method; it belongs to early species, vegetation period is 100-105 days from onset to the first harvest. The initial part is dense and green, the middle part is slightly raised, and the color of leaf is green to grey. The average mass of the initial part is approximately 300-350 grams. Harvest per hectare is 9.3 Tones. It is widely spread in Georgia, 1500 m or higher from the sea level. In terms of consumption it is characterized by the best taste properties, but less storage capacity, it is necessary to store in the fridge because the initial part can scatter into flowers. It can develop assimilation mechanisms. It is highly grow able plant. The height of the plant is 62 cm, the number of leaves is 33 pcs, the height of stem is 33 cm, the width of leaf is 20 cm, length is 30 cm, the length of graft is 19 cm, and the color of the flower is yellow, with bisexual flower.

Picture:



**Status:**Registration in force

**Number of Registration:** 153

**Date of Registration:** 2016 11 25

**Name of Varieties:** *NINA*

**Generation and Species in English and in Latin:**

*Mulberry silkworm*

*Bombyx mori. L*

**Name, Surname of Breeder(s):**

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

GEORGE AKHVLEDIANI

62, Mitskevich Street, Tbilisi (GE);

VLADIMER TSOMAIA

Suite 77, Entrance IV, 9, Antonovskaya Street, Tbilisi (GE)

**Brief Description of Varieties:**

Mulberry silkworm belongs to the class of full transformation insects. "Nina" is a univoltine breed, tolerating high temperature in summer. Sometimes it shows bivoltine properties and we can control these qualities as required.

Cocoon form is cylinder or slightly narrowed in the middle, thread is very fine, with high metric number. Breed is characterized with high percentage of molting 100%, high silk content (27.53%), high yields (112.4 kg) and, most important for the industry – "production length" of the thread (1500-1600 m).

**Picture:**



**Status:** Registration in force

**Number of Registration:** 154

**Date of Registration:** 2016 11 25

**Name of Varieties:** *TBILISURI-2*

**Generation and Species in English and in Latin:**

*Mulberry silkworm*

*Bombyx mori. L*

**Name, Surname of Breeder(s):**

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

ZHUTIKO ASATIANI

Suite 9, Vazha-Pshavela Road, Tbilisi (GE);

BEKA AKHVLEDIANI

Suite 6, 10A, Asatiani Street, Tbilisi (GE);

TAMAR TSOMAIA

Suite 77, Entrance IV, 9, Antonovskaya Street, Tbilisi (GE)

**Brief Description of Varieties:**

Mulberry silkworm belongs to the class of full transformation insects. New breed "Tbilisuri-2" is a stable univoltine breed, tolerating high temperature in summer. The breed was selected specifically for Eastern Georgian Region. This is a highly immune breed to all diseases characteristic for this variety; it is characterized with high percentage of grain molting (99-100%), high quality cocoons, high silk content and high yields. With its economic characteristics, it is much better than initial breed, as well as the world standards and those of leading silk producing countries.

**Picture:**



**Status:** Registration in force

Number of Registration: **155**

Date of Registration: **2016 11 25**

Name of Varieties: ***KVATSIKHE***

Generation and Species in English and in Latin:

*Mulberry silkworm*

*Bombyx mori. L*

Name, Surname of Breeder(s):

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

TAMAR ABASHIDZE

Suite 42, Entrance II. 3B, Kipshidze Street, Tbilisi (GE);

LELA SEPERTELADZE

Suite 36, 6, Pirosmeni Street, Batumi (GE);

NONA CHKHAIDZE

Kvaraxelia Street 26, Sukhumi (GE)

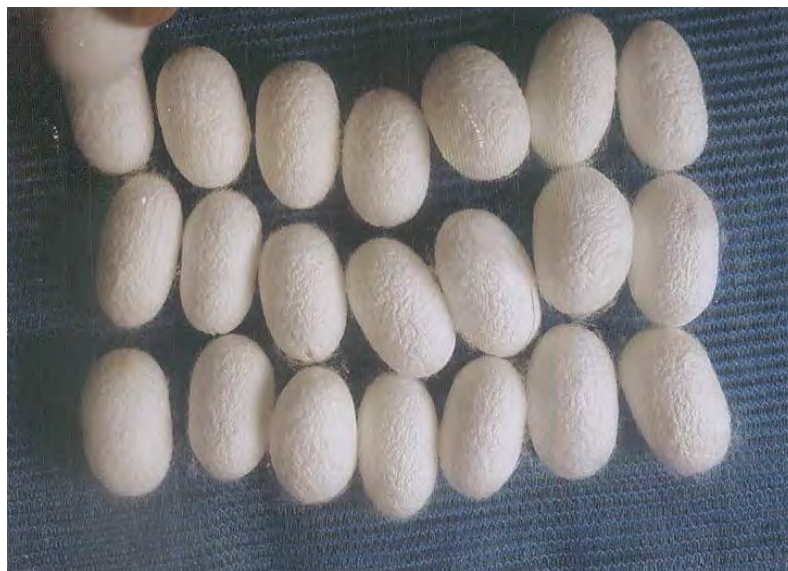
#### Brief Description of Varieties:

"Kvatsikhe" was selected in severe environment; it is univoltine breed, well tolerating high temperature. It shows good outcomes at summer feeding and the grains stored in this period for the following year is able to stand longer "wintering" period.

The breed has stable immunity to the diseases as in the open environment, stimulation of its cyclic development is conditioned by both, seasonal and daily changes.

It is distinguished from the other breeds. Production testing was performed in 2005, at village Kvatsikhe, Chiatura District, by two-stage feeding method. Results of this testing: cocoon weight: 2.9 g, shell weight: 750 mg, silk content: 26%, yield per 1 g: 6.5 kg are maintained up to present, with small variations.

Picture:



Status: Registration in force



Number of Registration: **156**

Date of Registration: **2016 11 25**

Name of Varieties: ***MEDGARI***

Generation and Species in English and in Latin:

*Mulberry silkworm*

*Bombyx mori. L*

Name, Surname of Breeder(s):

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

TEIMURAZ TSOMAIA

Suite 77, Entrance IV, 9, Antonovskaya Street, Tbilisi (GE);

NODAR STEPANISHVILI

2, Sultnishnis Street, Tbilisi (GE);

TAMTA KERVALISHVILI

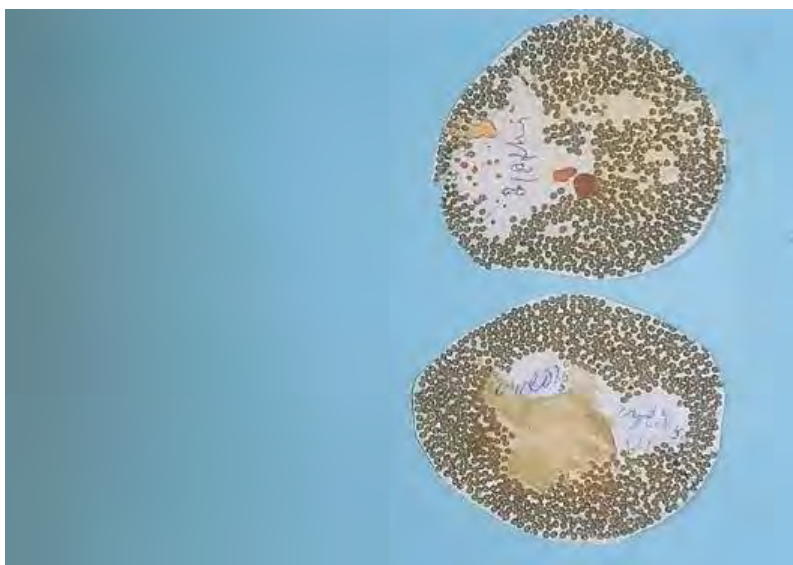
Suite 28, Building 27, Zemo Ponichala, Tbilisi (GE)

#### Brief Description of Varieties:

New breed "Medgari" is characterized with stable breed characteristics. Its economic characteristics steadily repeat from generation to generation. This is univoltine breed, tolerating high temperature. Sound, highly productive breed was selected in severe conditions stimulation of its cyclic development is conditioned by both, seasonal and daily changes. Returning of the silkworm ((*Bombux mori* L.) to the environment is an innovation in biology and provides solution of great practical significance.

The breed meets industry's all requirements to the raw material – most important physical-mechanical properties of silk fiber, thread length, thickness, strength, stretch ability, high percentage of winding, thread production length (1500 m), metric number. Data for the last 8 years (2009-2016) average silk content: 27.69%, as well as high yields – 98.97 kg shows high immunity and vitality of the breed.

Picture:



Status: Registration in force

**Number of Registration:** 157

**Date of Registration:** 2016 11 25

**Name of Varieties:** *FIGURULI*

**Generation and Species in English and in Latin:**

*Mulberry silkworm*

*Bombyx mori. L*

**Name, Surname of Breeder(s):**

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

MAMUKA AKHVLEDIANI

60, Ketevan Tsamebuli Street, Tbilisi, (GE);

GEORGE CHIKVILADZE

Suite 48, 3rd floor, entrance III, 17, Pekini Street, Tbilisi (GE)

### **Brief Description of Varieties:**

Mulberry silkworm belongs to the class of full transformation insects. Breed "Figuruli" is a stable univoltine breed, tolerating high temperature in summer; this breed does not even know any diseases (similar to other new breeds that we have presented). The cocoon is very dense, with tight waistline, bright white, with average weight of 2.43 gr, cocoon shell weight is formed as a stable breed quality not dependent on the cocoon weight. Absolute percentage of molting, high silk content (27.%), achieving sometimes even 31%, with high yields (108.45 kg) and the most important for production – impressive "productive thread length" (1500-1600 m).

**Picture:**



**Status:** Registration in force

**Number of Registration:** 158

**Date of Registration:** 2016 11 25

**Name of Varieties:** *IVERIA -2*

**Generation and Species in English and in Latin:**

*Mulberry silkworm*

*Bombyx mori. L*

**Name, Surname of Breeder(s):**

NANA KANDELAKI

60, Ketevan Tsamebuli Street, Tbilisi (GE);

TAMARA LEBSTSVERIDZE

Suite 25, 2, Nutsubidze Street, Tbilisi (GE);

KHATUNA AKHVLEDIANI

Suite 77, Entrance IV, 9, Antonovskaya Street, Tbilisi (GE);

NANA SOPROMADZE

62, Mitskevich Street, Tbilisi (GE)

**Brief Description of Varieties:**

Mulberry silkworm belongs to the class of full transformation insects. The variety "Iveria-2" is basically univoltine breed, tolerating high temperature in summer; this breed has stable economic characteristics.

"Iveria-2" is a stable immune breed with respect of all diseases characteristic for this variety and this is the primary argument for cost effectiveness of silk production industry. The breed is characterized with high percentage of grain molding (99-100%); high silk content (28.57%) (initial material silk content was 21.5%); high yields of cocoons (108 kg from average 1 box of silkworms) and, most importantly, the "production length" of the thread (1500 m), i.e. length of the thread before first tearing. All these characteristics of "Iveria-2" are two times higher than those of the world's leading silk producing countries (provided by the silk production coordination).

**Picture:**



**Status:** Registration in force

Number of Registration: **159**

Date of Registration: **2016 12 09**

Name of Varieties: ***ELITA***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE); Lola Kobaxidze (GE); Eliso Tsotskolauri (GE);  
Nargiz Baramidze (GE); Zoia Tskaruashvili (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "ELITA" was obtained through synthetic selection and strict individual sampling in generations. It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain – gray, of average size.

Grain quantity per gram - 1570-1585 pcs.

Worm quantity per gram grain - 2300- 2350 pcs. Worm – motley, length of feeding - 29-30 days. Cocoon – white, oval, very dense. Average weight per gram cocoon- up to 2,1 -2,3 gram.

Average caliber, shell - 560-580 mg., silk capacity - 24-27%; thread – thin, homogeneous, length - 2000 meter and more. 1.56 tex linear density raw thread is made of it.

Metric number - 4000 and above.

**Picture:**



**Status:** Registration in force



Number of Registration: **160**

Date of Registration: **2016 12 09**

Name of Varieties: ***DINA***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE); Lola Kobaxidze (GE); Eliso Tsotskolauri (GE);  
Nargiz Baramidze (GE); Zoia Tskaruashvili (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "Dina" was obtained through synthetic selection and strict individual sampling in generations. It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain – gray, of average size.

Grain quantity per gram - 1580-1590 pcs.

Worm quantity per gram grain - 2200-2300 pcs. Worm – motley, length of feeding - 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon- up to 2,2 -2,5 gram.

Average caliber, shell - 500-550 mg., silk capacity - 23-25%; thread – thin, homogeneous, length - 2000 meter and more. 1.56 tex linear density raw thread is made of it. Metric number - 4000 and above.

**Picture:**



**Status:** Registration in force

Number of Registration: **161**

Date of Registration: **2016 12 09**

Name of Varieties: ***AISI-2***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE); Lola Kobaxidze (GE); Eliso Tsotskolauri (GE);  
Nargiz Baramidze (GE); Zoia Tskaruashvili (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "AISI-2" was obtained through synthetic selection and strict individual sampling in generations. It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain –gray, of average size.

Grain quantity per gram - 1500-1550 pcs.

Worm quantity per gram grain - 2000-2100 pcs. Worm –motley, length of feeding - 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon- up to 2,2 -2,3 gram.

Average caliber, shell - 550-570 mg., silk capacity - 24-25%.; thread – thin, homogeneous, length - 2000 meter and more. 1.56 tex linear density raw thread is made of it.

Metric number - 4000 and above.

**Picture:**



**Status:** Registration in force

Number of Registration: **162**

Date of Registration: **2016 12 09**

Name of Varieties: ***HERETI***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE); Lola Kobaxidze (GE); Eliso Tsotskolauri (GE);  
Nargiz Baramidze (GE); Zoia Tskaruashvili (GE); Maka Svanidze (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "HERETI" was obtained through synthetic selection and strict individual sampling in generations. It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain –gray, of average size.

Grain quantity per gram - 1600-1610 pcs.

Worm quantity per gram grain - 2100-2200 pcs. Worm –motley, length of feeding - 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon- up to 2,3 -2,4 gram. Average caliber, shell - 520-540 mg., silk capacity - 24-25%.; thread – thin, homogeneous, length - 2000 meter and more. 1.56 tex linear density raw thread is made of it.

Metric number - 4000 and above.

**Picture:**



**Status:** Registration in force

Number of Registration: **163**

Date of Registration: **2016 12 09**

Name of Varieties: ***AISI×DINA***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE);

Lola Kobaxidze (GE);

Eliso Tsotskolauri (GE);

Nargiz Baramidze (GE)

**Brief Description of Varieties:**

Mulberry silkworm hybrid "Aisi×Dina" Received varieties dina and it aisi.

It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain – gray, of average size.

Grain quantity per gram – 1500-1550 pcs.

Worm quantity per gram grain – 2000-2100 pcs.

Worm –motley, length of feeding – 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon – up to 2,2 -2,3 gram. Average caliber, shell – 550-570 mg., silk capacity – 24-25%.; thread – thin, homogeneous, length – 2000 meter and more. 1.56 tex linear density raw thread is made of it. Metric number – 4000 and above.

**Picture:**



**Status:** Registration in force



Number of Registration: **164**

Date of Registration: **2016 12 09**

Name of Varieties: ***DINA×AISI***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE);

Lola Kobaxidze (GE);

Eliso Tsotskolauri (GE);

Nargiz Baramidze (GE)

#### **Brief Description of Varieties:**

Mulberry silkworm hybrid “DINA ×AISI” was received varieties dina and it aisi. It passed through breed testing and was recommended for spreading in East Georgia.

#### **BREED CHARACTERISTICS:**

Grain – gray, of average size.

Grain quantity per gram – 1560-1570 pcs.

Worm quantity per gram grain – 2100-2200 pcs.

Worm – motley, length of feeding – 29 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon - up to 2,1-2,2 gram.

Average caliber, shell – 550-570 mg., silk capacity – 24-25%.; thread – thin, homogeneous, length – 2000 meter and more. 1.56 tex linear density raw thread is made of it. Metric number – 4000 and above.

Picture:



Status: Registration in force

Number of Registration: **165**

Date of Registration: **2016 12 09**

Name of Varieties: ***ANISIA***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anastasia Giorgadze (GE);

Lola Kobaxidze (GE);

Eliso Tsotskolauri (GE);

Nargiz Baramidze (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "ANISIA" was obtained through synthetic selection and strict individual sampling in generations. It passed through breed testing and was recommended for spreading in East Georgia.

**BREED CHARACTERISTICS:**

Grain – gray, of average size.

Grain quantity per gram – 1560-1580 pcs.

Worm quantity per gram grain – 1970-2000 pcs.

Worm – motley, length of feeding – 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon- up to 2,2 -2,3 gram. Average caliber, shell – 500-570 mg., silk capacity – 23-25%.; thread – thin, homogeneous, length – 2000 meter and more. 1.56 tex linear density raw thread is made of it. Metric number – 4000 and above.

**Picture:**



**Status:** Registration in force

Number of Registration: **166**

Date of Registration: **2016 12 09**

Name of Varieties: ***DIGOMI***

Generation and Species in English and in Latin:

*Silkworm*

*Bombyx mori Lin.*

Name, Surname of Breeder(s):

Anjela Matiashvili (GE); Makvala Prangishvili (GE);  
Nargiz Baramidze (GE)

**Brief Description of Varieties:**

Mulberry silkworm breed "Digomi" was obtained through analytical selection.

BREED CHARACTERISTICS:

Grain – gray, of average size.

Grain quantity per gram – 1600-1650 pcs.

Worm quantity per gram grain – 2240-2340 pcs.

Worm – motley, length of feeding – 29-30 days.

Cocoon – white, oval, very dense. Average weight per gram cocoon up to 2,2-2,5 gram, shell – 580- 620 mg., silk capacity – 24-26%; thread length – 1900-2000 meter. Metric number – 3600-3800 and above.

**Picture:**



**Status:** Registration in force

Number of Registration: **167**

Date of Registration: **2017 02 07**

Name of Varieties: ***Kartuli axali***

Generation and Species in English and in Latin: ***Worm*** ***Eisenia Fetida, Lumbric***

Name, Surname of Breeder(s):

Guram Gejadze (GE)

**Brief Description of Varieties:**

Georgian new breed of earth worm has managed by interbreeding of diverse earthworms, which have collected only from Georgian regions with different climate zones, e.g.: Ajara, Samegrelo, Racha-Lechkhumi, kvemo kartli, kakheti, etc. Georgian new breed of earth worm has obtained by only natural interbreeding and not either synthetic or GMO tech-approaches. Georgian new breed of earth worm has the better genotype & phenotype characteristics in comparison to any of Georgian progenitors as well as in comparison to red Californian earth worm. Georgian new breed of earth worm has claimed by LTD Macro-Prime located in Georgia, Gardabani, vil. Krtsanisi's bio-farm.

**Picture:**



**Status:** Registration in force



Number of Registration: **168**

Date of Registration: **2017 03 27**

Name of Varieties: ***KARTULI KRUGI MAGALLIZINIANI***

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

Otar Liparteliani (GE); Filaret Begoidze (GE);  
Giorgi Chonkadze (GE); Manana Iriauli (GE);  
Beqa Liparteliani (GE)

**Brief Description of Varieties:**

"KARTULI krugi magalliziniani" It is bred from Georgian Krug and American protein gene – by multiple reciprocating hybridization of O<sub>2</sub> with Georgian Krug and by selection and reproduction of high lysine grains from hybrid.

Variety is yellow colour coggled grain, jagging is less seen. Grain length is 13 mm, width 8 mm, thickness 2mm. Weight of 1000 grains is 330 gram, the number of grain rows is 14, the form is weak conical, pink colour, plant height is 230 cm, leave numbers 20, knees numbers 14. Corn cob fixing height is 125 cm. grain outcome from corn cab is 83 %, corncob average weight is 220 gram. Is different from Georgian Krug grain by colour, biochemical composition and absolute weight. It contains lysine once more than the Georgian Krug, its average yield per hectare was 102,6 centner, and Georgian Krug 99,7 centner. Vegetation number of days is similar with Georgian Krug, it needs 135 days from sowing to full maturity. It is recommended for Irrigation Districts of Eastern Georgia, as for food as well as for human consumption for all branches of the livestock.

**Picture:**



**Status:** Registration in force

Number of Registration: **169**

Date of Registration: **2017 03 27**

Name of Varieties: **TOLIA**

Generation and Species in English and in Latin: *Maize* *Zea mays L.*

Name, Surname of Breeder(s):

LTD TESTING GROUNDES OF GEORGIAN AGRICULTURAL UNIVERSITY (GE)

**Brief Description of Varieties:**

"Tolia" Bred by crossing of the simple hybrid T63 X T 73 with species "Ajametis Tetri" The Type of grain – dent. Grain is white. Mass of 1000 grains is 388-404 gr. The Number of grain on a corn- cob is 16 -18. The form of a ear weak conic. The color of pivot is white. The height of a plant (inc- luding panicle) is 265 cm, the number of leaves on the main stem is 18-19. It is not characterized with business. On the plant there is developed 1,0 corn-cob. Stem is resistant to Lodging.

Hybrid "Tolia" is resistant to Helminthosporium Turcicum and medium resistant to fuzarium. Vegetation period from germination to the full maturity 136 days. The yield of grain 7-8 t/ha. Using: The grain can be used as food. The hybrid is recommended for spreading at the lowland zone of West Georgia and at the irrigated regions of East Georgia, where the active temperature of air equals 3800- 4500°C in total.

**Picture:**



**Status:** Registration in force

Number of Registration: **170**

Date of Registration: **2017 03 27**

Name of Varieties: ***INORED***

Generation and Species in English and in Latin: *Apple* *MALUS DOMESTICA*

Name, Surname of Breeder(s):

NOVADI SARL (FR);  
INSTITUTE DE LA RECHERCHE AGRONOMIQUE-INRA (FR);  
aurens FRANCOIS (FR); Chistelle PITIOT (FR)

**Brief Description of Varieties:**

"Inored" is a new apple tree notable for its resistance to scab, and for its high quality fruit. This new cultivar is a product of a controlled cross of "Pinova" (U.S. Plant Pat. No. 11,601) x "X6398" (not patented). "Inored" has been observed to remain true to type over successive asexually propagated generations. Fruit of "Inored" is highly colored, sweet, late-maturing and has a long shelf life. The new variety is distinguished from female parent "Pinova" by its more globose fruit shape, highly colored fruit, late maturity (14 days after "Pinova") and scab resistance. "Inored" is distinguished from "X6398" by its highly colored fruit, improved shelf life, and late maturity (14 days after "X6398").

**Picture:**



**Status:** Registration in force

Number of Registration: 171

Date of Registration: 2017 04 25

Name of Varieties: *Aragvi*

Generation and Species in English and in Latin: *Tomato* *Lycopersicum esculentu*

Name, Surname of Breeder(s):

Aleqsandre Saralidze (GE);

Nato Kakabadze (GE);

Petre Naskidashvili (GE)

#### Brief Description of Varieties:

Variety "Aragvi" is an average-late plant, cold endurable, and gives crop till the end of November. The plant is indeterminant, stem is strongly branched, fairly leafed, internodes are of 5-10 cm length, and lanate. Leaves are weakly toothed, have green color. Flowerbed is complex with 3-4 flowers. Fruit is round, with smooth surface, has red shining peel, with 4-5 locules. Ripened fruit average weight is 130g. 1000 seed weight is 3,50g. Supported plant height reaches 128 cm, while without support plant length is 123 cm. Supported crop productivity is 46.2 ton/hectare, while without support crop productivity is 34,1 ton/hectare. The plant needs 131 days from cropping to ripening. According to biological indicators, ripe fruit includes: dry substance – 5.24%, total sugar – 3.64%, ascorbic acid – 25,1%, total acidity – 0,38%.

Picture:



Status: Registration in force



**Number of Registration:** 172

**Date of Registration:** 2017 04 25

**Name of Varieties:** *Kuti saparke*

**Generation and Species in English and in Latin:** *Ordinary beans* *PHASEOLUS VULGAR*

**Name, Surname of Breeder(s):**

Scientific-Research Center of Agriculture (GE);  
Pasha Vacheishvili (GE); Nato Kakabadze (GE);  
Guram Aleksidze (GE); Givi Japaridze (GE);  
Levan Tkemaladze (GE)

**Brief Description of Varieties:**

Variety "kuti saparke" we found in Tianeti municipality land area. Selected using individual method, propagated and studied. Kuti plant is of typical shape (low growing), bunch, (rarely lies down.) Plant height of 45-55 cm. Cultivated with heart shaped pale green leaves. The stem and leaves are covered with fine bristles. Slightly pinkish white flowers. Thick seeds.

1000 grain weight of 431 g. Color light brown grain maturity phase, then a light green color, grain maturation phase light straw. Bean pods are 16-20 cm long, with 6-8 seeds. Bean pods tail length 0,5-1 cm, kidney shaped bean. The variety is resistant to Phuzariozi and askokhitozis, slightly impacted with Brukhusi diseases.

Variety "kuti saparke" gives the green bean pods and the high grain harvest. Grain yield of 1.2 t/ha, while the green bean pods 4 times crop harvest of 17.3 tons per hectare. Within Properly conducted agro-technical conditions the green bean pods can be harvested 5-6 times during the vegetation period. Bean pods are quick to cook and has a good taste.

**Picture:**



**Status:** Registration in force

Number of Registration: 173

Date of Registration: 2017 04 25

Name of Varieties: *Winter*

Generation and Species in English and in Latin: *Bulb Onion* *Allium cepa L.*

Name, Surname of Breeder(s):

Scientific-Research Center of Agriculture (GE);  
Elene Motiashvili-sichinava (GE);  
Nato Kakabadze (GE);  
Guram Aleksidze (GE);  
Givi Japaridze (GE);  
Giorgi Kvirkvelia (GE)

#### Brief Description of Varieties:

Bulb Onion (*Allium cepa L.*) "Winter" has been received by the selection method. This variety is sown in the fall, September 15-20 and harvested on second year in June, late autumn, and in early spring it is used for greens. The vegetation period from germination to harvest 265-270 days. Bulb dense, large size. Shape index of 0.9. Bulb appearance - average bulb, Single Slot. The outer dry shell color yellow, juicy inside shell color white, bulb taste half savory, rounded flat shaped. Leaf color is dark green, weak waxy like flakes on leaves, the number of medium leaves 10. The stem height 60 cm, bulb average weight 180.0 g. Flower color white, double sex. The yield per hectare from 39.6 t/ha. Pest and diseases resistant. Characterized with best for storage. Its spread area in Georgia extends to an altitude of 460 meters.

Picture:



Status: Registration in force

Number of Registration: **174**

Date of Registration: **2017 04 25**

Name of Varieties: ***Khando***

Generation and Species in English and in Latin: *Garlic* *Allium sativum L.*

Name, Surname of Breeder(s):

Legal entity under the public law-Scientific-Research Center of Agriculture (GE);  
Elene Motiashvili-Sichinava (GE); Nato Kakabadze (GE);  
Guram Aleksidzeilisi (GE); Iuri Nozadze (GE);  
Vajha Japaridze (GE); Zviad Bregadze (GE)

**Brief Description of Varieties:**

The variety "khando" is recieved by selection method. Vegetation period from germination to harvest - 150-155 days. Suitable for both autumn and spring planting, but it is better to plant in fall time. Characterized by strong stem. Leaf height is 68-70 cm. Leaves of dark green color, with number 10, Bulb dense, large size. Shape index of 0.89. Dry outer shell color white segmented, slightly pale violet. Cloves outer shells are pale brownish color. Thick cloves with 6-6 numbers, spicy, form-rounded, bulb average weight 67.7 g. The yield per hectare 12-14 t/ha.

The new variety of Garlic is relatively resistant to diseases than local varieties.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 175

**Date of Registration:** 2017 04 25

**Name of Varieties:** *Diko*

**Generation and Species in English and in Latin:** *Potato* *Solanum tuberosum L.*

**Name, Surname of Breeder(s):**

Legal entity under the public law-Scientific-Research Center of Agriculture (GE);  
Diana Antonova (GE); Dali Tsiklauri (GE);  
Guram Aleksidze (GE); Nato Kakabadzei (GE)

**Brief Description of Varieties:**

Potato variety "Diko", botanically known as *Solanum tuberosum L.* is characterized with late harvest, has yellow covering, high-yielding potatoes, on average 8-9 tubers per plant. The average tubers (60%) and slightly seen spots; Good for food production. Tubers size of 80-120 mm, weight - 150-220 g. Dry substance content of 18-19% and has a good taste and a solid mass. Tubers are oval longer shaped, mostly homogeneous with thin covering. Distinguishes with fairly good resistance to viruses such as: PVX, PVY, PVA, PVS. Also, resistant to fungal (phitoptora) diseases. This variety develops high stem, good coverage, white flowers and average number of seeds. It is semi tolerant to mechanical damage, is drought resistant, good for storage, have a short rest period.

**Picture:**



**Status:** Registration in force



Number of Registration: **176**

Date of Registration: **2017 04 25**

Name of Varieties: ***Tsilkani***

Generation and Species in English and in Latin: *Bean* *Phaseolus calcaratus*

Name, Surname of Breeder(s):

Legal entity under the public law-Scientific-Research Center of Agriculture (GE);  
Pasha Vacheishvili (GE); Nato Kakabadze (GE);  
Levan Tkemaladze (GE); Mariam Mosashvili (GE)

#### Brief Description of Varieties:

"Tsilkani" variety is selected from the (Verniko Kandelaki) collection existing under the Institute of Botany. The plant is growing high and reaches 2,5 - 3 meters, the leaves and stems are covered with a thin whitish bristles. The leaves are broad, heart-shaped, light green, plant is characterized by frequent leafing, has a thick stem and green mass. A variety Tsilkani is typical grain form and gives an average of 2 t/ha yield in a good soil and climat conditions; Late harvested, has large yellow flowers with a long flower stem (3-5 cm) on which there are 4-10 flowers sited from which is developing the same number of cases. Length of cases is 7-10 cm, number of seeds in the cases are 5-7. Tail of the case is 0,5-0,8 mm. Case development in the first period is green, while seed ripening phase is blackish brown color. The case is straight, seeds are narrow, longer, dark red color. 1000 seed weight is 70 g.

The variety "Tsilkani" is resistant to bacterial and viral diseases and is not damaged by the disease called Brukhusi.

The variety "Tsilkani" is recommended to sow in East Georgia irrigated areas and in almost all areas of western Georgia except high mountain areas, because it has late with 20-30 days harvesting period compared to normal beans. Variety "Tsilkani" seeds can be used as a common beans. Seeds are boiled quickly and has good taste qualities. It improves soil fertility, like all legumes. It also can be used as a green manure.

Picture:



Status: Registration in force

Number of Registration: 177

Date of Registration: 2017 04 25

Name of Varieties: *Mosavliani*

Generation and Species in English and in Latin: *Masha beans* *Phaseolus calcaratus*

Name, Surname of Breeder(s):

LEPL Scientific Research Center of Agriculture (GE);  
Nato Kakabadze (GE); Ravza Mavlyanova (UZ);  
Adoli Tkeshelashvili (GE); Pasha Vacheishvili (GE);  
Shota Khonelidze (GE)

#### Brief Description of Varieties:

Variety „Mosavliani” with selective number VG 6173(B-6) belongs to the bean genus, so its called as golden beans. It was received from the Vegetables World Center, Taiwan in 2010. It reproduces from seeds. Barrel seed shape of the seed is thin and elongated, with dark green color. Weight of the 1000 seeds - 65 grams. Length of the fruit or the bean is 5-10 cm, number of seeds in the bean 7-10, length of the seed - 3,2-6 mm.

Height of the plant - 67 cm. Straight stem, faceted, covered with down toward fur. On the bush of the variety “Mosavliani” is chosen up to 30-35 standard beans, from which we get the seed of the fruit reaches full maturity and variety-specific color-making. With calories 3.5 times more than potatoes and 6 times than corn. In the green phase beans are used in soups, salads, garnish, can. vegetative mass After harvesting : stem, leaves, unripened beans are best fodder for animals, increasing milk yield. Calorie of beans: 100 g - 56.8 kcal. 8.5 g carbohydrate is in the bean, fat - 0.1 g, protein - 6 g, organic acidity - 0.7 g, water - 83 g, starch - 6 g, mono and disaccharides - 1.6 g. The grain is especially noteworthy of containing -proteins and aminoacids, Lysine 8%, Arginini 6%.

Picture:



Status: Registration in force

Number of Registration: **178**

Date of Registration: **2017 04 25**

Name of Varieties: ***Saparke***

Generation and Species in English and in Latin: *Masha beans* *PH AUREUS*

Name, Surname of Breeder(s):

LEPL Scientific Research Center of Agriculture (GE);  
Nato Kakabadze (GE); Ravza Mavlyanova (UZ);  
Vaja Jafaridze (GE); Adoli Tkeshelashvili (GE);  
Leri Nozadze (GE)

#### Brief Description of Varieties:

Variety „Saparke” with selective number VG 3960-88 belongs to the bean genus, so its called as golden beans. It was received from the Vegetables World Center, Taiwan in 2010. It reproduces from seeds. Barrel seed shape of the seed is thin and elongated, with dark green color. Weight of the 1000 seeds - 60 grams. Length of the fruit or the bean is 6-8 cm, number of seeds in the bean 10-12, length of the seed – 3-4 mm.

Height of the plant - 70 cm. Straight stem, faceted, covered with down toward fur. On the bush of the variety “Saparke” is chosen up to 35-40 standard beans, from which we get the seed of the fruit reaches full maturity and variety-specific color-making. With calories 3 times more than potatoes and 4 times than corn. In the green phase beans are used in soups, salads, garnish, can. vegetative mass After harvesting : stem, leaves, unripened beans are best fodder for animals, increasing milk yield. Calorie of beans: 100 g - 48 kcal. 5.5 g carbohydrate is in the bean, fat - 0.1 g, protein-6 g, organic acidity - 0.4 g, water - 63 g, starch - 7 g, mono and disaccharides - 1 g. The grain is especially noteworthy of containing - proteins and aminoacids, Lysine 8%, arganini 7%.

Picture:



Status: Registration in force

Number of Registration: **179**

Date of Registration: **2017 05 10**

Name of Varieties: ***MONPHIR***

Generation and Species in English and in Latin: *Nectarine* *Prunus persica L. Batsc*

Name, Surname of Breeder(s):

René MONTEUX-CAILLET (FR)

**Brief Description of Varieties:**

The new and distinct variety of nectarine, botanically known as *Prunus persica* (L). Batsch, hereinafter referred to by the variety denomination “MONPHIR”, originated from a cross made pollination in a planned, controlled breeding program in South East of France. A new and distinct *Prunus persica* (L). Batsch nectarine variety named “MONPHIR”, particularly characterized by its productivity, big-size fruits of a regular shape with good coloration. The fruits hold well on the tree what allows a staggered harvest, and they have an excellent eating quality.

**Picture:**



**Status:** Registration in force



Number of Registration: **180**

Date of Registration: **2017 05 10**

Name of Varieties: ***MONJAUNE***

Generation and Species in English and in Latin: *Peach* *Prunus persica L. Batsc*

Name, Surname of Breeder(s):

René MONTEUX-CAILLET (FR)

**Brief Description of Varieties:**

The new and distinct variety of peach, botanically known as *Prunus persica* (L). Batsch, hereinafter referred to by the variety denomination “MONJAUNE”, originated from a cross made pollination in a planned, controlled breeding program in South East of France. A new and distinct *Prunus persica* (L). Batsch peach variety named “MONJAUNE”, particularly characterized by a semi- vigorous tree, the late ripening of the fruit and skin with an intense red color on an orange-yellow ground. The light yellow flesh is firm, very sweet with few acidity and good eating quality.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 181

**Date of Registration:** 2017 05 10

**Name of Varieties:** *MONDORE*

**Generation and Species in English and in Latin:** *Peach* *Prunus persica L. Batsc*

**Name, Surname of Breeder(s):**

René MONTEUX-CAILLET (FR)

**Brief Description of Varieties:**

The new and distinct variety of peach, botanically known as *Prunus persica* (L). Batsch, hereinafter referred to by the variety denomination “MONDORE”, originated from a cross made pollination in a planned, controlled breeding program in South East of France. A new and distinct *Prunus persica* (L). Batsch peach variety named “MONDORE”, particularly characterized by its very good productivity, an early and strong flowering intensity, attractive fruits of A and AA size with good coloration and sweet flavor.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 182

**Date of Registration:** 2017 05 10

**Name of Varieties:** *MONCAV*

**Generation and Species in English and in Latin:** *Peach* *Prunus persica L. Batsc*

**Name, Surname of Breeder(s):**

René MONTEUX-CAILLET (FR)

**Brief Description of Varieties:**

The new and distinct variety of peach, botanically known as *Prunus persica* (L). Batsch, hereinafter referred to by the variety denomination “MONCAV”, originated from a cross made pollination in a planned, controlled breeding program in South East of France. A new and distinct *Prunus persica* (L). Batsch peach variety named “MONCAV”, particularly characterized by its excellent potential of productivity. The fruit is big, uniform, firm, very colorful with good eating quality.

**Picture:**



**Status:** Registration in force

Number of Registration: **183**

Date of Registration: **2017 05 10**

Name of Varieties: ***WESTERN RED***

Generation and Species in English and in Latin: *Nectarine* *Prunus Persica L. Batsc*

Name, Surname of Breeder(s):

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a variety of nectarine tree, *Prunus persica* (L). and more particularly to a new and distinct variety, hereinafter referred to by "WESTERN RED", broadly characterized by a large size, vigorous, hardy, productive and regular bearing tree. The fruit matures under the ecological conditions described approximately the third week in August, with first picking on Aug. 21, 1991. The fruit is uniformly large in size, excellent in flavor, attractively globose in shape, clingstone in type, very firm in texture, and almost full red in skin color. The variety was developed as a hybridized seedling with Red Diamond Nectarine (U.S. Plant Pat. No. 3,165) as the selected seed parent and May Diamond Nectarine (U.S. Plant Pat. No. 5,454) as the selected pollen parent.

**Picture:**



**Status:** Registration in force



Number of Registration: **184**

Date of Registration: **2017 05 10**

Name of Varieties: ***MAJESTIC PEARL***

Generation and Species in English and in Latin:

*Peach*

*Prunus persica L. Batsc*

Name, Surname of Breeder(s):

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a new and distinct variety of nectarine tree, *Prunus persica* L. hereinafter referred to by "MAJESTIC PEARL" broadly characterized by a large size, vigorous, hardy, self-fertile, productive and regular bearing tree. The fruit matures under the ecological conditions described in late July, with first picking on Jul. 23, 2006. The fruit is uniformly large in size, sub-acidic and sweet in flavor, globose in shape, clingstone in type, very firm in texture, white in flesh color, and mostly red in skin color.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 185

**Date of Registration:** 2017 05 10

**Name of Varieties:** *IVORY STAR*

**Generation and Species in English and in Latin:** *Peach* *Prunus Persica L. Batsc*

**Name, Surname of Breeder(s):**

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a new and distinct variety of peach tree, *Prunus persica* (L) Batsch, hereinafter referred to by the variety denomination "IVORY STAR", broadly characterized by a good productivity, bright fruits of vivid reddish-pink color with a good, delicate and aromatic flavor.

**Picture:**



**Status:** Registration in force

Number of Registration: **186**

Date of Registration: **2017 05 10**

Name of Varieties: ***BRAPRIN***

Generation and Species in English and in Latin: *Peach* *Prunus Persica L. Batsc*

Name, Surname of Breeder(s):

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a peach tree, *Prunus persica* (L). and more particularly to a new and distinct variety, hereinafter referred to by "BRAPRIN", broadly characterized by a high tree, moderately vigorous and upright. The fruit has a medium maturity time, an intense red skin on a white ground color, with a firm flesh white cream in color, a sweet taste and freestone.

**Picture:**



**Status:** Registration in force

Number of Registration: **187**

Date of Registration: **2017 05 10**

Name of Varieties: ***BLACK STAR***

Generation and Species in English and in Latin: *Cherry* *Prunus avium (L.) L.*

Name, Surname of Breeder(s):

“C. R. P. V. Soc. Coop.” (IT);  
Alma Mater Studiorum – Università di Bologna (IT);  
Silviero SANSAVINI (IT); Stefano LUGLI (IT)

**Brief Description of Varieties:**

The present invention relates to a cherry tree, *Prunus avium* (L.) L. And more particularly to a new and distinct variety, hereinafter referred to by "BLACK STAR", broadly characterized by its very good and constant productivity and its semi-late ripeness. It's a variety with attractive, large and shiny fruits with a dark coloration. The flesh is sweet and very firm, even on fruits picked with advanced maturity. In addition, the fruits are not very sensitive to cracking and Monilia.

**Picture:**



**Status:** Registration in force



Number of Registration: **188**

Date of Registration: **2017 05 25**

Name of Varieties: ***ELEKSIRI***

Generation and Species in English and in Latin: *Chickpea* *Cicer arietinum L.*

Name, Surname of Breeder(s):

Avtandil Korakhashvili (GE)

**Brief Description of Varieties:**

The new and distinct variety of Chickpea "Eleksiry" has been developed from individual selection from ICARDA's germplasm and identified for Southern dry zones of Georgia. It is a large seeded winter crop variety which matures in approximately 230-235 days. Its average yield is 2,10 .ton/ ha. And have a good opportunity for the engagement in crop rotations. It showed resistant reaction against wilt and moderately resistant against dry root rot, Ascochyta blight and is a high yielding medium sized chickpea with adaptation to all East growing zones of Georgia. It is particularly well suited to the shorter seasoned medium rainfall environments of eastern municipalities of Georgia like Mtskheta, Gardabani, Sagarejo, Signagi, Akhmeta, Dedoplistskaro. This variety is targeted for whole seed markets where it's large, angular shaped and bright yellow-tan colored seed coat are well suited to the specific requirements of markets. This variety have good seed quality characteristics, providing growers with new options suited to international markets.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 189

**Date of Registration:** 2017 05 25

**Name of Varieties:** *ZEDAZENI*

**Generation and Species in English and in Latin:** *Chickpea* *Cicer arietinum L.*

**Name, Surname of Breeder(s):**

Avtandil Korakhashvili (GE)

**Brief Description of Varieties:**

The new and distinct variety of Chickpea "Zedazeni" has been developed from individual selection from ICARDA's germplasm and identified for Southern dry zones of Georgia. It is a large seeded winter crop variety which matures in approximately 240-245 days. Its average yield is 2,27 ton/ha. And have a good opportunity for the engagement in crop rotations. It showed resistant reaction against wilt and moderately resistant against dry root rot, Ascochyta blight and is a high yielding medium sized chickpea with adaptation to all East growing zones of Georgia. It is particularly well suited to the shorter seasoned medium rainfall environments of eastern municipalities of Georgia like Mtskheta, Gardabani, Sagarejo, Signagi, Akhmeta, Dedoplistskaro. This variety is targeted for whole seed markets where it's large, angular shaped and bright yellow-tan colored seed coat are well suited to the specific requirements of markets.

This variety have good seed quality characteristics, providing growers with new options suited to international markets and both have been commercialized through seed net.

**Picture:**



**Status:** Registration in force

Number of Registration: 190

Date of Registration: 2017 05 25

Name of Varieties: *SHIRAKI*

Generation and Species in English and in Latin: *LENTIL* *Lens culinaris M.*

Name, Surname of Breeder(s):

Avtandil Korakhashvili (GE)

**Brief Description of Varieties:**

The new and distinct variety of Lentil "Shiraki" has been developed from individual selection and identified for Southern non irrigated Kartli and Kakheti zones of Georgia. It is a winter crop variety which matures in approximately 233-240 days. It's average yield is 1,63 m.ton/ha. and have a good opportunity for the engagement in crop rotations. It showed resistant reaction against wilt and moderately resistant against dry root rot, biotic and abiotic stresses. It is particularly well suited to the shorter seasoned medium rainfall environments of eastern municipalities of Georgia. This variety is targeted for whole seed markets where it's large, angular shaped and bright brown-tan colored seed coat are well suited to the specific requirements of international markets.

**Picture:**



**Status:** Registration in force

Number of Registration: **191**

Date of Registration: **2017 05 25**

Name of Varieties: ***SPRING BRIGHT***

Generation and Species in English and in Latin: *Neqtarini* *Prunus persica L. Batsc*

Name, Surname of Breeder(s):

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a nectarine tree and more particularly to a new and distinct variety *Prunus Persica* (L.) Batsch, hereinafter referred to by “SPRING BRIGHT” the variety denomination broadly characterized by a large size, vigorous, hardy, productive and regular bearing tree. The fruit matures under the ecological conditions described in late June, with first picking on June 21, 1989, and is uniformly large in size, clingstone in type, fully dark red in skin color, slightly acidic but very sweet in flavor, and exceptionally firm in texture, resulting in excellent quality for keeping and shipping. The variety was developed as a hybridized seedling from the selected seed parent, May Diamond (U.S. Plant Pat. No. 5,454), and an unnamed seedling as the selected pollen parent.

**Picture:**



**Status:** Registration in force



Number of Registration: **192**

Date of Registration: **2017 05 25**

Name of Varieties: ***SEPTEMBER BRIGHT***

Generation and Species in English and in Latin: *Nectarine* *Prunus persica L. Batsc*

Name, Surname of Breeder(s):

Lowell Glen BRADFORD (US)

**Brief Description of Varieties:**

The present invention relates to a nectarine tree, *Prunus persica* (L). and more particularly to a new and distinct variety, hereinafter referred to by "SEPTEMBER BRIGHT", broadly characterized by a large side, , hardy, self-fertile, productive and regular bearing tree. The fruit matures under the ecological conditions described approximately the first week in September, with first picking on Sep. 1, 2001. The fruit is uniformly medium in size, very good in flavor, globose in shape, clingstone in type, firm in texture, yellow in flesh color, and red in skin color. The variety was developed as a first generation cross using "August Red" (U.S. Plant Pat. No. 6,363) yellow flesh nectarine as the selected seed parent and an unnamed nectarine as the selected pollen parent.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 193

**Date of Registration:** 2017 05 25

**Name of Varieties:** *HW 620- HARROW BOUNTY*

**Generation and Species in English and in Latin:** *Pear* *Pyrus communis L.*

**Name, Surname of Breeder(s):**

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis L.* and more particularly to a new and distinct variety, hereinafter referred to by “HW 620- HARROW BOUNTY”, broadly characterized by its exceptional agronomic qualities and very good size potential (large to very large). It has a light green skin, no over color, and no russet around the eye basin, on the cheeks and around the stalk attachment. Its flesh is white, creamy, with a fine texture, a soft to medium firmness, and is juicy to very juicy. In addition, “HW 620” is resistant to moderately resistant to *Erwinia amylovora*.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 194

**Date of Registration:** 2017 05 25

**Name of Varieties:** *AC HARROW CRISP*

**Generation and Species in English and in Latin:** *Pear* *Pyrus communis L.*

**Name, Surname of Breeder(s):**

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis L.* and more particularly to a new and distinct variety, hereinafter referred to by “AC HARROW CRISP”, broadly characterized by being a very attractive and high sized fruit and having excellent resistance to fire blight (*Ewinia amylovora*). It is a midseason pear with a smooth and clean skin, yellow-green with light red blush. There is little or no russetting of the fruit. The cream-white flesh is crispy and melty in texture, grit-free and firm even when fully ripe, and has a delicate and sweet flavor.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 195

**Date of Registration:** 2017 05 25

**Name of Varieties:** *AC HARROW DELICIOUS*

**Generation and Species in English and in Latin:** *Pear* *Pyrus communis L.*

**Name, Surname of Breeder(s):**

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis* L. and more particularly to a new and distinct variety, hereinafter referred to by “AC HARROW DELICIOUS”, broadly characterized by being an interesting variety for early production areas, allowing to start the season with a fruit of good quality. With its size ranging 60-7 mm, its elongated shape and its green to yellow skin turning slightly pink at maturity, the fruit is very attractive. The cream-colored flesh is fine and aromatic in texture, and has a sweet and slightly acid flavor. In addition, this variety is tolerant to fire blight.

**Picture:**



**Status:** Registration in force



Number of Registration: **196**

Date of Registration: **2017 05 25**

Name of Varieties: ***AC HARROW GOLD***

Generation and Species in English and in Latin: *Pear* *Pyrus communis L.*

Name, Surname of Breeder(s):

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis L.* and more particularly to a new and distinct variety, hereinafter referred to by “AC HARROW GOLD”, broadly characterized by being a high-quality, early season pear. It is an attractive yellow fruit, with good size, smooth skin, fine texture, very good flavour with a good balance between sweetness and acidity, and exceptionally juicy. This variety has excellent resistance to fire blight.

**Picture:**



**Status:** Registration in force

Number of Registration: **197**

Date of Registration: **2017 05 25**

Name of Varieties: ***SMERALDA***

Generation and Species in English and in Latin: *Apple* *MALUS DOMESTICA*

Name, Surname of Breeder(s):

Michelangelo LEIS (IT); Alessio MARTINELLI (IT);  
Francesco TAGLIANI (IT); Gianfranco CASTAGNOLI (IT)

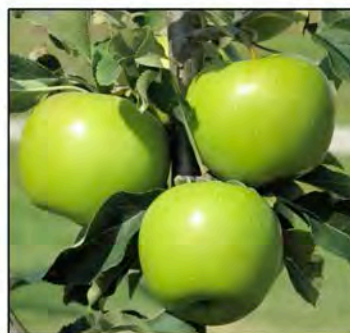
**Brief Description of Varieties:**

The new Malus variety, “Smeralda” originated from a cross made in a planned, controlled breeding program in S. Giuseppe di Comacchio (Ferrara), Italy. The crossing has been done in 1997. The female parent is an unpatented C.I.V selection denominated “DA-85”. The male parent is an unpatented C.I.V selection denominated “B9-5”. “Smeralda” was discovered and selected in September 2005 by the inventors as a flowering plant within the progeny of the stated cross in a controlled environment in S. Giuseppe di Comacchio (Ferrara), Italy.

Asexual reproduction of the new Malus variety by budding and grafting was first performed in September 2005 and in the following years in S. Giuseppe di Comacchio (Ferrara), Italy, and has demonstrated that the combination of characteristics as herein disclosed for the new Malus variety are firmly fixed and retained through successive generations of asexual reproduction from 2005 to 2010. The new variety reproduces true to type.

**Picture:**

## Smeralda



**Status:** Registration in force

**Number of Registration:** 198

**Date of Registration:** 2017 06 12

**Name of Varieties:** *Alaznis Veli*

**Generation and Species in English and in Latin:** *Wheat* *Triticum durum*

**Name, Surname of Breeder(s):**

Nino Jibgashvili (GE);  
Medea Sarajishvili (GE);  
Zhiuli MaxaShvili (GE)

**Brief Description of Varieties:**

“Alaznis veli” is winter bread wheat variety. Its height is average, varying from 100-120 cm. It is characterized with lodging resistance, higher than average winterhardiness and drought resistance. It is early for 6-10 days as compared to the local checks. Its spikes are easily threshed and the variety is appropriate for mechanical harvest. It is resistant to rusts and foliar diseases such as septorios and powdery mildew. The spikes are white, awned and have shape of a thimble with length up to 13-15 cm. There are 70-80 grains per spike in average. Alaznis veli is a high yielding variety. During the three-year evaluation period its yield varied from 6.5.0 to 7.0 ha in average. Alaznis veli is adapted to all wheat-growing regions of Georgia.

**Picture:**



**Status:** Registration in force

Number of Registration: **199**

Date of Registration: **2017 06 12**

Name of Varieties: ***Gorda 16***

Generation and Species in English and in Latin:

*Wheat*

*Triticale -xTriticosecale*

Name, Surname of Breeder(s):

L.T.D. "Firm Lomtagora" (GE);

Kakha Lashkhi (GE); Irakli Rekhviashvili (GE);

Gulnari Chkhutiashvili (GE); Tsotne Samadashvili (GE)

**Brief Description of Varieties:**

The grade is of the feed- grain application. Plant height 115-130 cm, is characterized with ample leafage. The spike is white, awned, slightly fleecy, 13-14 cm long. Forms 30-36 spikelets. Grain is red, with semi-horn consistence, complete, extended. Amount of grains in spike -60-65. Mass of grains of one spike 3.2-3.8 gram. Weight is 1000 grains - 60-65 grams. Potential productivity of grain is 6.5- 7.5 t/hectare, and of green mass-55.0-60.0.t/hectare.

For receiving of green mass sowing is carried out at the end of September, or in the first decade of October. Norm of sowing of 5.0-5,5 ml/hectare of seeds capable of germination. Harvesting of green material is carried out in a heading phase. Is the best intermediate culture for receiving two harvests from the same site (corn).

**Picture:**



**Status:** Registration in force



**Number of Registration:** 200

**Date of Registration:** 2017 06 12

**Name of Varieties:** *Lomtagora-143*

**Generation and Species in English and in Latin:** *Winter Bread* *Triticum aestivum L.*

**Name, Surname of Breeder(s):**

L.T.D. "Firm Lomtagora" (GE);  
Kakha Lashkhi (GE); Irakli Rekhviashvili (GE);  
Gulnari Chkhutiashvili (GE); Ketino Natsarishvili (GE)

**Brief Description of Varieties:**

Variety "Lomtagora 143" belongs to soft wheat specie (*Triticum aestivum* L) and to variety of a red grain awnless form - var. *lutescens* (Alef.).

Variety "Lomtagora 143" is characterized by high ability of germination, strong root system and high tillering. The quantity of well developed productive cones on 1 sq.m fluctuates within 570-580 which are of identical height.

The maximum height of a plant is 100 cm, it is steady against lodging, is easily threshed, is suitable for the mechanized harvesting. A spike is of straw color, 10 cm long, with well developed 20 spikelet, with 65-70 grains in a spike, grains of a red color and of horn consistence. Weight of 1000 grains - 45 grams.

Differs with medium resistance to fungal diseases.

Productivity of the variety Lomtagora 143 in the conditions of medium agrobacground makes 6,5 t/hectare.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 201

**Date of Registration:** 2017 06 12

**Name of Varieties:** *Argo*

**Generation and Species in English and in Latin:**

*Oats*

*Avena sativa L.*

**Name, Surname of Breeder(s):**

LEPL Scientific Research Center of Agriculture (GE);  
Levan Ujmajuridze (GE); Tsotne Samadashvili (GE);  
Gulnari Chkhutiashvili (GE), Nugzar Bendianishvili (GE);  
Levan Shagashvili (GE)

**Brief Description of Varieties:**

The vegetative period from germination till full maturing makes 85-97 days, a plant stalk thick, upright, steady against laying, a leaf 110-115 cm high, upright, of average width, poorly bristled, a pestle vertically standing, semi-opened, of straw color, 18-23 cm long, the cone looking down with 2-3 inflorescences, with short awns which are threshed in a phase of full maturing. Grain large, light-straw color, weight of 1000 grains - 35-38 g, and nature of 450-510 g/l. Average productivity 3,5-4,5 t/hectare. It is a variety of intensive type, steady against bacterial and fungal diseases.

**Picture:**



**Status:** Registration in force

Number of Registration: **202**

Date of Registration: **2017 06 12**

Name of Varieties: ***HAROVIN SUNDOWN***

Generation and Species in English and in Latin:

*Pear*

*Pyrus communis L.*

Name, Surname of Breeder(s):

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA); Charles G. EMBREE (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis* L. and more particularly to a new and distinct variety, hereinafter referred to by “HAROVIN SUNDOWN”, broadly characterized by its exceptional agronomic qualities and its very good size potential. It is an attractive late-season pear with good storage capability, and it is highly productive. The large fruits have a smooth yellow-green skin with a light blush, and the flesh is cream-white with good texture. While flavor is generally good, there can be some astringency in the skin, which is reduced by storage for 3-4 weeks. This pear stores very well for about 3-4 months. In addition, this variety has good fire blight resistance.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 203

**Date of Registration:** 2017 06 12

**Name of Varieties:** *HARVAL*

**Generation and Species in English and in Latin:**

*Apricot*

*Prunus armeniaca L.*

**Name, Surname of Breeder(s):**

Agriculture and Agri-Food Canada (CA);  
Richard LAYNE (CA)

**Brief Description of Varieties:**

The present invention relates to an apricot tree, *Prunus armeniaca L.* and more particularly to a new and distinct variety, hereinafter referred to by “HARVAL”, broadly characterized by being a late-season variety with a high productivity. It has large, attractive fruits that are bright orange with a red blush. The orange flesh is firm, sweet, moderately juicy, and fine-textured. Its flavor is rich, well balanced in acidity and sweetness, and of good quality.

**Picture:**



**Status:** Registration in force



**Number of Registration:** 204

**Date of Registration:** 2017 06 12

**Name of Varieties:** HW 623

**Generation and Species in English and in Latin:** Pear *Pyrus communis L.*

**Name, Surname of Breeder(s):**

Agriculture and Agri-Food Canada (CA);  
David HUNTER (CA)

**Brief Description of Varieties:**

The present invention relates to a pear tree, *Pyrus communis L.* and more particularly to a new and distinct variety, hereinafter referred to by "HW 623", broadly characterized by its very good productivity and a rapid fruit set. The fruit is medium-sized; the flesh is cream to cream-white, melting or buttery, juicy with good to excellent flavor. There is no russet around the eye basin, on the cheeks and around the stalk attachment. The variety is robust with high tolerance to fire blight.

**Picture:**



**Status:** Registration in force

Number of Registration: **205**

Date of Registration: **2017 06 12**

Name of Varieties: ***PANARO 1***

Generation and Species in English and in Latin: *Cherry* *Prunus avium (L.)*

Name, Surname of Breeder(s):

“C. R. P. V. Soc. Coop.”;

Alma Mater Studiorum – Università di Bologna (IT);

Silviero SANSAVINI (IT); Stefano LUGLI (IT)

**Brief Description of Varieties:**

The present invention relates to a cherry tree, *Prunus avium* (L.) And more particularly to a new and distinct variety, hereinafter referred to by “PANARO 1”, broadly characterized by its self-fertilization, and its early ripening time. It has a rapid fruit set and a good productivity. The fruit is large, moderately cracking resistant, with an attractive red color, a soft flesh, and a good sweet flavor with low acidity.

Picture:



**Status:** Registration in force

Number of Registration: **206**

Date of Registration: **2017 06 12**

Name of Varieties: ***PANARO 2***

Generation and Species in English and in Latin: *Cherry* *Prunus avium (L.)*

Name, Surname of Breeder(s):

“C. R. P. V. Soc. Coop.” (IT);

Alma Mater Studiorum – Università di Bologna (IT);

Silviero SANSAVINI (IT); Stefano LUGLI (IT)

**Brief Description of Varieties:**

The present invention relates to a cherry tree, *Prunus avium* (L.) and more particularly to a new and distinct variety, hereinafter referred to by “PANARO 2”, broadly characterized by its early ripening and for the characteristics of its fruit which are large, shiny, with a thin red skin and dark-red over color. The flesh is firm, sweet and slightly tart.

**Picture:**



**Status:** Registration in force

Number of Registration: **207**

Date of Registration: **2017 06 12**

Name of Varieties: ***GRACE STAR***

Generation and Species in English and in Latin: *Cherry* *Prunus avium (L.) L.*

Name, Surname of Breeder(s):

“C. R. P. V. Soc. Coop.”(IT);

Alma Mater Studiorum – Università di Bologna (IT);

Silviero SANSAVINI (IT); Stefano LUGLI (IT)

**Brief Description of Varieties:**

The present invention relates to a cherry tree, *Prunus avium* (L.) L. And more particularly to a new and distinct variety, hereinafter referred to by “GRACE STAR”, broadly characterized by its self-fertilization, allowing an excellent production regularity. The fruit, with a good size (26-30mm), presents a beautiful red color. The flesh is firm, sweet and has good taste quality. In addition, this variety has a good tolerance to rupture.

**Picture:**



**Status:** Registration in force



Number of Registration: **208**

Date of Registration: **2017 07 10**

Name of Varieties: ***SAXAMEBLIANI SHAVI***

Generation and Species in English and in Latin:

*Corn*

*Zea Mays amylaceae*

Name, Surname of Breeder(s):

Otar Liparteliani (GE); Pilaret Begoidze (GE);

Lia Kirikashvili (GE); Ioseb Sarjveladze (GE);

Manana Iriauli (GE)

#### **Brief Description of Varieties:**

The variety "Saxamebliani shavi" is cultivated under the influence of the spontaneous mutation from the simple inter-line hybrid seed of "Kartuli 9", with a selection of amylaceous black color grains, as a result of testing and research according to agricultural, morpho-botanical, physiological and biochemical characteristics in control and pre-competition tests during the years. Plant as a strong, orange, variety amylaceous z.m. amylaceae, endosperm flour like. Grain black, serration is not marked grain length 12mm, width 7mm, thickness 2 mm. 1000 grain mass 320 g, contains starch 22 g. Protein 10,99 %, fat 5,64 %. In this regard, it is better than "Ajametis tetri", "Kartuli krugi" and "Abashuri kviteli". Grain output from corn-cob is 84 % shell white color, grain row number 14, plant height 220 cm, leave number 14, knees number 12, variety is recommended to the industrial direction for receiving starch, alcohol and for cattle-breeding for all corn producing zone.

Picture:



Status: Registration in force

**Number of Registration:** 209

**Date of Registration:** 2017 07 10

**Name of Varieties:** *MONMEIL*

**Generation and Species in English and in Latin:** *Peach* *Prunus persica L. Batsc*

**Name, Surname of Breeder(s):**

René MONTEUX-CAILLET (FR)

**Brief Description of Varieties:**

The new and distinct variety of peach, botanically known as *Prunus persica* (L). Batsch, hereinafter referred to by the variety denomination “MONMEIL”, originated from a cross made pollination in a planned, controlled breeding program in South East of France. A new and distinct *Prunus persica* (L). Batsch peach variety named “MONMEIL”, particularly characterized by its good productivity and very good conduct with other trees. The fruit is very attractive, regular with a homogeneous presentation from the beginning and to the end of harvest. It has a delicate taste.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 210

**Date of Registration:** 2017 07 10

**Name of Varieties:** *Redaphough*

**Generation and Species in English and in Latin:**

*Apple*

*Malus domestica Borkh*

**Name, Surname of Breeder(s):**

FIDEGHELLI Carlo (IT); DELLA STRADA Giulio (IT); Meynaud Freres GAEC (IT)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica* Borkh. and more particularly to a new and distinct variety, hereinafter referred to by “Redaphough”, broadly characterized by its GOLDEN DELICIOUS blooming season; round, flattened fruit, of large calibre; very intense, bright red, washed-striped on 3/4 of the surface with crisp flesh, juicy, tart, of good taste quality : sweet-tart taste.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 211

**Date of Registration:** 2017 07 10

**Name of Varieties:** *Rome Star*

**Generation and Species in English and in Latin:**

*Peach*

*Prunes Persica Batsch*

**Name, Surname of Breeder(s):**

FIDEGHELLI Carlo (IT); DELLA STRADA Giulio (IT); Meynaud Freres GAEC (IT)

**Brief Description of Varieties:**

The present invention relates to a peach tree *Prunes Persica* L.Batsch. and more particularly to a new and distinct variety, hereinafter referred to by “Rome Star”, broadly characterized by its very robust tree with semi-erect bearing and good production potential. Fruit with large caliber, round, very firm and colored, of good taste quality.

**Picture:**



**Status:** Registration in force



**Number of Registration:** 212

**Date of Registration:** 2017 07 10

**Name of Varieties:** *Meydicte*

**Generation and Species in English and in Latin:**

*Peach*

*Prunes Persica Batsch*

**Name, Surname of Breeder(s):**

FIDEGHELLI Carlo (IT); DELLA STRADA Giulio (IT); Meynaud Freres GAEC (IT)

**Brief Description of Varieties:**

The present invention relates to a peach tree *Prunes Persica Batsch.* and more particularly to a new and distinct variety, hereinafter referred to by “Meydicte”, broadly characterized by its robust tree with semi-erect bearing. Big size fruit with a cream-yellow skin, a very firm and white flesh, freestone. The flesh is slightly sweet with a good taste quality.

**Picture:**



**Status:** Registration in force

Number of Registration: **213**

Date of Registration: **2017 07 10**

Name of Varieties: ***ANNE GOLD***

Generation and Species in English and in Latin: *Plumb tree* *Plunus salicina Lindl*

Name, Surname of Breeder(s):

MONTANARI Domenico (IT)

**Brief Description of Varieties:**

The present invention relates to a variety of plum tree, *Prunus salicina* Lindl. and more particularly to a new and distinct variety, hereinafter referred to by “ANNE GOLD”, broadly characterized by being a fruit with cordiform leaf, large, yellow-green color, slightly asymmetric. Its yellow-green flesh has good taste quality with medium tartness and is very flavorful. In addition, it has good resistance to manipulations and good capacity for conservation.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 214

**Date of Registration:** 2017 07 10

**Name of Varieties:** *VALERIE*

**Generation and Species in English and in Latin:** *Plum tree* *Prunus domestica (L).*

**Name, Surname of Breeder(s):**

University of Guelph (CA);  
Ghasem Tehrani (CA)

**Brief Description of Varieties:**

The present invention relates to a variety of plum tree, *Prunus domestica* (L). and more particularly to a new and distinct variety, hereinafter referred to by “VALERIE”, broadly characterized by its good productivity and early ripening. It is a semi-freestone, medium to large sized violet-blue plum. It has a yellow flesh with good flavor.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 215

**Date of Registration:** 2017 07 10

**Name of Varieties:** *VENETTE*

**Generation and Species in English and in Latin:** *Plum tree* *Prunus domestica (L).*

**Name, Surname of Breeder(s):**

University of Guelph (CA);  
Agricultural Research Indtitute of Ontario (CA)

**Brief Description of Varieties:**

The present invention relates to a variety of plum tree, *Prunus domestica* (L). and more particularly to a new and distinct variety, hereinafter referred to by “VANETTE”, broadly characterized by its very good productivity and a very attractive fruit. This is freestone, large sized, ovate-shaped, dark-blue plum of good quality. It has an orange, firm and delicate flesh of good eating quality ant tart flavor.

**Picture:**



**Status:** Registration in force



Number of Registration: 216

Date of Registration: 2017 07 10

Name of Varieties: *TOPAZ*

Generation and Species in English and in Latin: *Apple* *Malus domestica*

Name, Surname of Breeder(s):

Institute of Experimental Botany AS CR (CZ)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica* and more particularly to a new and distinct variety, hereinafter referred to by “Topaz”, broadly characterized by its good production and resistance to scab development. It has very luminous red fruits with a cylindrical flattened shape. The flesh is crispy, with a tart flavor, very fragrant. Green pruning is recommended.

**Picture:**



**Status:** Registration in force

Number of Registration: 217

Date of Registration: 2017 07 25

Name of Varieties: *Summer Lady*

Generation and Species in English and in Latin: *Peach* *Prunus persica (L.) Bats*

Name, Surname of Breeder(s):

The Burchell Nursery, Inc. (US); Hideo P. Yamashiro (US)

**Brief Description of Varieties:**

The present invention relates to a new and distinct variety of peach, botanically known as *Prunus persica* (L). Batsch hereinafter referred to by the variety denomination "SUMMER LADY", which is broadly characterized by its similarity to the O'Henry variety of peach tree (U.S. Plant Pat. No. 2,964). The new variety is a single scaffold mutation of the O'Henry peach tree from which it is distinguished and characterized as to novelty by bearing fruits which ripen approximately one week to ten days earlier. The fruits of this new variety are generally more globose, and are also highly blushed red, 90% to 100% of the fruit surface, but do not turn as dark as O'Henry on the exposed blush surfaces at maturity. This characteristic, in addition to a less green fruit ground color, tends to give the new variety a more uniform and brighter overall red skin coloration. It is a variety with an attractive presentation and excellent taste quality.

Picture:



Status: Registration in force

**Number of Registration:** 218

**Date of Registration:** 2017 07 25

**Name of Varieties:** *Cripps Pink*

**Generation and Species in English and in Latin:** *Apple Tree* *Malus domestica Borkh.*

**Name, Surname of Breeder(s):**

Western Australian Agriculture Authority (AU);  
John CRIPPS (AU)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica* Borkh. and more particularly to a new and distinct variety, hereinafter referred to by “Cripps Pink”, broadly characterized by its strong vigor and productivity. The fruit has an ellipsoid shape, a pinkish red coloration on a cream yellow ground color what makes a distinction from the other two-tone varieties. The flesh is firm and crispy, juicy, with a fine texture. Eating quality is excellent with its unique sweet-tart flavor.

**Picture:**



**Status:** Registration in force

**Number of Registration:** 219

**Date of Registration:** 2017 07 25

**Name of Varieties:** *Cripps Red*

**Generation and Species in English and in Latin:** *Apple tree* *Malus domestica Borkh.*

**Name, Surname of Breeder(s):**

Western Australian Agriculture Authority (AU);  
John CRIPPS (AU)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica* Borkh. and more particularly to a new and distinct variety, hereinafter referred to by “Cripps Red”, broadly characterized by being a very productive variety which gives homogeneous, medium-sized fruit with high percentage of first-choice. Flesh is delicate, crisp and juicy with a sweet-tart flavor.

**Picture:**



**Status:** Registration in force



**Number of Registration:** 220

**Date of Registration:** 2017 07 25

**Name of Varieties:** *Rosy Glow*

**Generation and Species in English and in Latin:** *Apple Tree* *Malus domestica Borkh.*

**Name, Surname of Breeder(s):**

FLEMING'S NURSERIES & ASSOCIATES PTY LTD (AU);  
Harleigh Cecil Mason (AU);  
Ashley Graham Mason (AU)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica* Borkh. and more particularly to a new and distinct variety, hereinafter referred to by "Rosy Glow". It is broadly characterized by producing highly colored fruit including fruit in shaded parts of the tree and in districts that are not conducive to good red color. Early red coloring of the fruit allows it to be picked at optimum maturity for long-term storage.

**Picture:**



**Status:** Registration in force

Number of Registration: **221**

Date of Registration: **2017 07 25**

Name of Varieties: ***Sekzie***

Generation and Species in English and in Latin: *Apple tree* *Malus domestica Borkh.*

Name, Surname of Breeder(s):

SUNGLO VARIETIES Ltd. (NZ); MAWLEY Robert Basil (NZ);  
MAWLEY Elaine Florence (NZ)

**Brief Description of Varieties:**

The present invention relates to an apple tree *Malus domestica Borkh.* and more particularly to a new and distinct variety, hereinafter referred to by “Sekzie”. It is broadly characterized by producing a very attractive fruit which has a bright, intense red coloration, and which is mature for harvesting and shipment earlier than the Cripps Pink cultivar. It has a firm flesh with good eating quality.

**Picture:**



**Status:** Registration in force

Number of Registration: **222**

Date of Registration: **2017 08 10**

Name of Varieties: ***Atinati***

Generation and Species in English and in Latin:

*Mulberry*

*Morus alba Lin*

Name, Surname of Breeder(s):

Tina Dalalishvili (GE);

Zaza Chitadze (GE);

Tamuna Revazishvili (GE);

Natia Gamxoshvili (GE)

**Brief Description of Varieties:**

A new variety "Atinati" was received by granting of radio-mutant form N608 on Triploid-13 stock, by its focused growing and multiple individual selections. The variety is a male, with compact crown, branch-upright, with slight reddish-brown blotting of crust; thick, powerful, intensive growing; with short internodes.

A leaf is of whole plate, of average size, with thick petiole. Angle of petiole sticking to the branch is 45-60°. A bud is of average size, is convex. The variety is distinguished with leaf consistence and productivity; is relatively resistant to leaf curl.

Picture:



**Status:** Registration in force

Number of Registration: **223**

Date of Registration: **2017 08 10**

Name of Varieties: ***Lile***

Generation and Species in English and in Latin:

*Mulberry*

*Morus alba Lin*

Name, Surname of Breeder(s):

Tina Dalalishvili (GE);

Zaza Chitadze(GE);

Tamuna Revazishvili (GE);

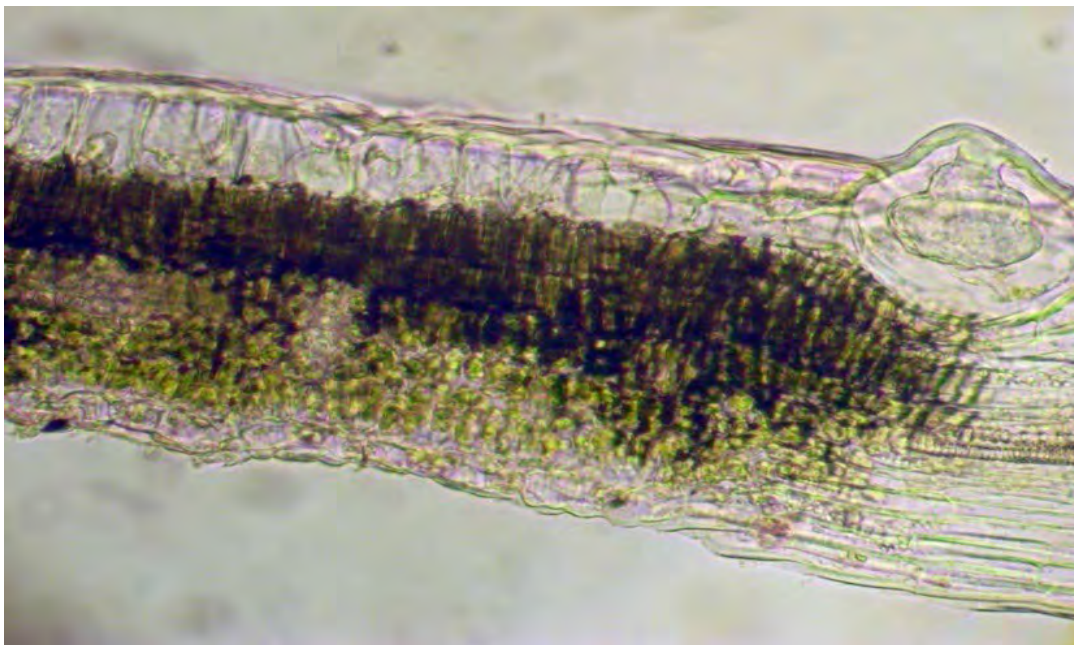
Lia Mdzeleri (GE)

#### Brief Description of Varieties:

A new variety of a mulberry tree "Lile" was received through physical mutagenesis, by the beaming with Gs137- gamma rays of wintered bud of the breed "Oshima". The variety is a single-family plant; male flowerets are dominating. The crown is open; one year branch is of grayish color, with big, grayish brown blots; a branch is slightly bent, directed up; growing sprouts are dominating on the branch, sprouts are intensely leafed; a leaf is knotted, of dark green hue; size is 28,3 X 18,3 cm petiole has moderate length, is thin, slightly cut; bud is small, stuck to a branch. The variety is of early vegetation. It requires early periods of grafting, is distinguished with abundance leafing, high nutritive value and resistance to leaf curl.

Variety spreading in the West Georgia, in the zone of leaf curl is recommended.

Picture:



Status: Registration in force



**Number of Registration:** 224

**Date of Registration:** 2017 08 10

**Name of Varieties:** *Tvaltai*

**Generation and Species in English and in Latin:**

*Mulberry*

*Morus alba Lin*

**Name, Surname of Breeder(s):**

Emzar Choladze (GE); Nazi Tvalchrelidze (GE);

Liana Nacvlshvili (GE)

**Brief Description of Varieties:**

The variety "Tvaltai" was obtained at the Kutaisi Zonal Experimental Station with strict, reiterated selection from mulberry hybrid population. The variety is a female, with a pyramidal crown; branch is gray, with light color spots, with short internodes; and intensive leafing.

A leaf is a whole-plate, with long petiole, grainy surface, is soft, of average thickness, and dark green color.

A bud is moderate and well preserved till grafting. Budding is abundant, fruit is black, juicy, and sweet; seed yield from fruit is good; fruit is ripening simultaneously. The variety is easily propagated by vegetation (grafting); is relatively resistant to leaf curl, recommended to be spread in the West Georgia, for application at hybrid seed farming.

**Picture:**



**Status:** Registration in force

**Number of Registration:**     **P 2018 225 B**

**Date of Registration:**                     **2018 06 12**

**Variety Denomination:**     ***Last Call***

**Date of the Second Publication:**   **2018 07 04**

**Common Name and Latin name of the Genus and Species:**   *Blueberry/Vaccinium corymbosum L.*

**Title Holder:**

Fall Creek Farm & Nursery, Inc. (US)

**Person, who Bred or Discovered and Developed the Variety:**

David M. Brazelton (US)

Adam L. Wagner (US)

**Brief Description of the Variety:**

The new blueberry plant variety "Last Call" is provided. "Last Call" is a commercial variety intended for both the fresh and process markets. The variety produces a large, light blue berry with exceptional flavor and firmness. "Last Call" fruit ripens at the same time as the latest season commercial cultivars "Elliott" and "Aurora" but has a sweeter flavor that was preferred in blind taste tests. The variety has a vigorous bush that had higher yields than "Aurora" in 2011-2012 in Oregon (yields were observed but not measured in 2010). The fruit of "Last Call" had better firmness than "Elliott" before and after storage (measured with a Firm tech 2 fruit firmness tester). "Last Call" is a vigorous plant with an upright growth habit, and an estimated chilling requirement of 1000 hours based on pedigree.

**Picture:**



**Status:** Registration in force

**Number of Registration:** P 2018 226 B

**Date of Registration:** 2018 06 12

**Variety Denomination:** *CLOCKWORK*

**Date of the Second Publication:** 2018 07 04

**Common Name and Latin name of the Genus and Species:** *Blueberry/Vaccinium corymbosum L.*

**Title Holder:**

Fall Creek Farm & Nursery, Inc. (US)

**Person, who Bred or Discovered and Developed the Variety:**

David M. Brazelton (US)

Adam L. Wagner (US)

**Brief Description of the Variety:**

The new blueberry plant variety "Clockwork" is provided. "Clockwork" is a commercial variety with excellent machine harvest characteristics, and is intended for the processed foods market. The variety has a concentrated midseason ripening schedule, with the potential to be harvested only once per season. "Clockwork" holds up well in freezer trials, with excellent flavor and texture. The plant is vigorous, with an upright growth habit, and has an estimated chilling requirement of 800 to 1,000 hours.

**Picture:**



**Status:** Registration in force

**Number of Registration:** P 2018 227 B

**Date of Registration:** 2018 06 19

**Name of Varieties:** *DIAMOND JUBILEE*

**Date of the Second Publication:** 2018 07 04

**Common Name and Latin name of the Genus and Species:** *Raspberry/Rubus idaeus L.*

**Title Holder:**

Berryworld Plus Limited (GB)

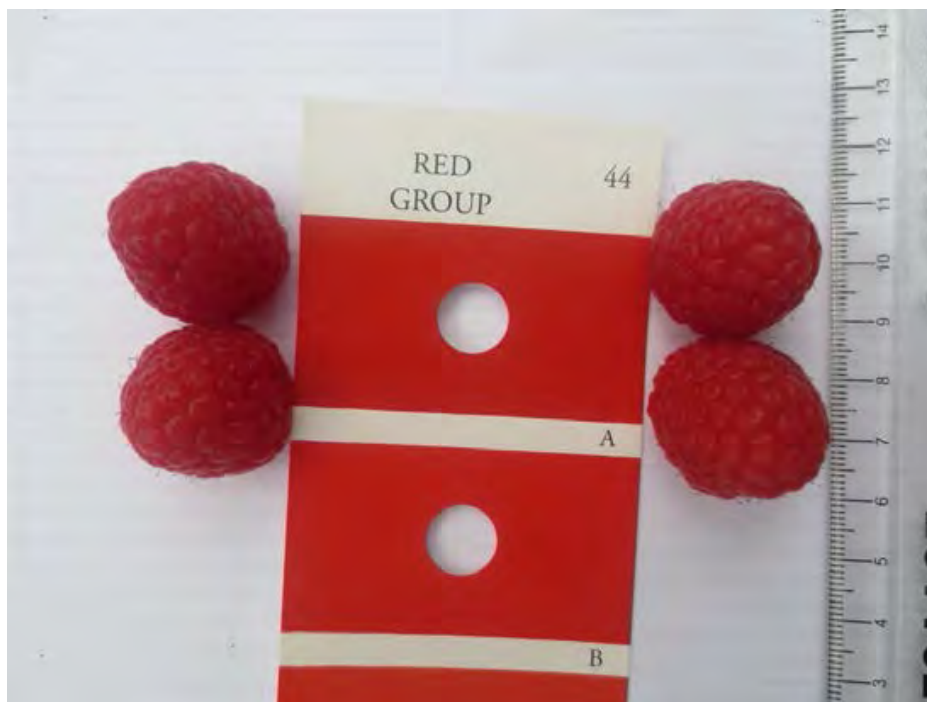
**Person, who Bred or Discovered and Developed the Variety:**

Berryworld Plus Limited (GB)

**Brief Description of the Variety:**

The present plant variety is a new and distinct double cropping red raspberry cultivar named "Diamond Jubilee", which is capable of producing high yields of large, bright coloured, sweet and exceptionally firm fruit that has positive consumer appeal characteristics. The cultivar is characterized by its high cane vigour, large leaves, its low acidity, sweetness and firmness and its fruit morphology, specifically its broad conical shape. "Diamond Jubilee" plants are also outstanding in that they produce commercial quantities of large, firm and flavourful fruit with long postharvest life in both the overwintering floricanes and late summer primocanes.

**Picture:**



**Status:** Registration in force



**Number of Registration:**    **P 2018 228 B**

**Date of Registration:**                    **2018 11 13**

**Name of Varieties:**                    ***Sapphire***

**Date of the Second Publication:**    **2018 11 20**

**Common Name and Latin name of the Genus and Species:**    *Raspberry/Rubus idaeus L.*

**Title Holder:**

Berryworld Plus Limited (GB)

**Person, who Bred or Discovered and Developed the Variety:**

Berryworld Plus Limited (GB)

**Brief Description of the Variety:**

The variety named "Sapphire" is a new and distinct floricanes fruiting red raspberry cultivar, which is capable of producing large, attractive, flavourful and firm fruit which has exceptional consumer appeal characteristics.

**Picture:**



**Status:** Registration in force

**Number of Registration:**     **P 2019 229 B**     **Date of Registration:**     **2019 02 21**  
**Name of Varieties:**     **ZF08-070**     **Date of the Second Publication:**     **2019 02 22**

**Common Name and Latin name of the Genus and Species:**     *Blueberry/Vaccinium corymbosum L.*

**Title Holder:**

Fall Creek Farm & Nursery, Inc. (US)

**Person, who Bred or Discovered and Developed the Variety:**

Adam L. Wagner (US)

David M. Brazelton (US)

Peter Stefan Boches (US)

Antonio A. Alamo Bermudo (ES)

**Brief Description of the Variety:**

The new blueberry plant variety 'ZF08-070' is a multipurpose commercial variety intended for the fresh or processed fruit markets. The new blueberry plant variety originated from a cross of 'Legacy'(female parent) by 'Draper' (male parent, U.S. Plant Pat. №15,103) The variety has excellent plant vigor, an uprightm plant habit, ripens fruit wid-season, and produces a large berries with uniform size and light blue color. 'ZF08-070' was selected for its upright habit, consistent berry size,cold hardiness and vigor.

**Picture:**



**Status:** Registration in force

Number of Registration: **P 2020 230 B** Date of Registration: **2020 09 04**  
Name of Varieties: **CALYPSO** Date of the Second Publication: **2020 09 15**

Common Name and Latin name of the Genus and Species: *Blueberry/Vaccinium corymbosum L.*

**Title Holder:**

Board of Trustees of Michigan State University (US)

**Person, who Bred or Discovered and Developed the Variety:**

James F. Hancock (US)

**Brief Description of the Variety:**

‘Calypso’ is a new blueberry cultivar of primarily *Vaccinium corymbosum* L.. The rest of its parentage is from *V. darrowii* (13.3%), *V. angustifolium* (3.8%), *V. tenellum* (<1%), and *V. ashei* (<1%). It is a highly productive cultivar with excellent fresh fruit quality. Plants of ‘Calypso’ are vigorous and upright. Its canes are numerous and moderately branched, and the fruit are well exposed. Its berries are large, have small, dry picking scars, medium light blue color, and excellent firmness and flavor. In general, the fruit of ‘Calypso’ has held extremely well on the bush after ripening, except in the unusually hot summers of 2012 in Michigan and Oregon. In that year it was softer than normal, performing similar to ‘Liberty’ under hot conditions.

**Picture:**



**Status:** Registration in force



Number of Registration: **P 2020 231 B** Date of Registration: **2020 09 04**  
Name of Varieties: **OSORNO** Date of the Second Publication: **2020 09 15**

Common Name and Latin name of the Genus and Species: *Blueberry/Vaccinium corymbosum L.*

**Title Holder:**

Board of Trustees of Michigan State University (US)

**Person, who Bred or Discovered and Developed the Variety:**

James F. Hancock (US)

**Brief Description of the Variety:**

‘Osorno’ is a new blueberry cultivar of primarily *Vaccinium corymbosum* L.. The rest of its parentage is from *V. darrowii* (13.3%), *V. angustifolium* (3.8%), *V. tenellum* (<1%), and *V. ashei* (<1%). It is a highly productive cultivar with exceptional fresh fruit quality. It is likely best adapted to the northern highbush production areas where winters are not severe, such as central Chile and the Pacific Northwest, but it is recommended for further trial in colder production regions such as Michigan. Plants of ‘Osorno’ are vigorous and upright, although the canes can be lax when loaded with fruit. Canes are numerous, moderately branched and the fruit are well exposed. Its berries are large, have small, dry picking scars, light blue color, and excellent firmness and flavor. Its fruit held up extremely well in the unseasonably hot summer of 2012, when temperatures routinely exceeded 30°C.

**Picture:**



**Status:** Registration in force



Number of Registration: **P 2020 232 B**

Date of Registration: **2020 12 17**

Date of the Second Publication: **2020 12 22**

Name of Varieties: ***Alouette***

Common Name and Latin name of the Genus and Species: ***Potato / Solanum tuberosum L.***

**Title Holder:**

Kweek- en Researchbedrijf Agrico B.V. (NL)

**Person, who Bred or Discovered and Developed the Variety:**

Kweek- en Researchbedrijf Agrico B.V. (NL)

**Brief Description of the Variety:**

The new and distinct plant variety 'Alouette' botanically known as *Solanum tuberosum L.*, is table potato for export and local consumption. Its vegetation period is from medium to late maturity. 'Alouette' has an oval bulb, the tuber is red, with a medium yellow heart. 'Alouette' is a high yielding variety. It has a high resistance to diseases such as potato cancer, nematode, and late blight. The breed is a BC culinary type. Its consumer quality is quite high, it has a good taste and solid consistency.

**Picture:**



**Status:** Registration in force

Number of Registration: **P 2020 233 B**

Date of Registration: **2020 12 17**

Date of the Second Publication: **2020 12 22**

Name of Varieties: ***Ranomi***

Common Name and Latin name of the Genus and Species: **Potato / *Solanum tuberosum* L.**

**Title Holder:**

Kweek- en Researchbedrijf Agrico B.V. (NL)

**Person, who Bred or Discovered and Developed the Variety:**

Kweek- en Researchbedrijf Agrico B.V. (NL)

**Brief Description of the Variety:**

The new and distinct plant variety 'Ranomi' botanically known as *Solanum tuberosum* L., is table potato for export and local consumption. Its vegetation period is from super early to early. 'Ranomi' has elongated oval and surface bulb, the tuber is yellow, with a weak coloring heart. 'Ranomi' is a high yielding variety. It has a high resistance to diseases such as potato cancer and nematode but has medium resistance to late blight. The breed is an AB culinary type. Its consumer quality is quite high, it has a good taste and solid consistency.

**Picture:**



**Status:** Registration in force

Number of Registration: **P 2021 234 B**

Date of Registration: **2021 07 06**

Date of the Second Publication: **2021 07 16**

Name of Varieties: **SG134**

Common Name and Latin name of the Genus and Species: *Strawberry/Fragaria x ananassa Duchesne ex Rozier*

Title Holder:

Franko Zenti (IT)

Person, who Bred or Discovered and Developed the Variety:

Franko Zenti (IT)

**Brief Description of the Variety:**

'SG 134' is semi-vertically outlined. Leaf density, the number of spots, and coloration are average. The leaf is large, the surface is convex, and is of medium greenness. The number of flowers varies from a little to average. Comes with a large cone-shaped medium red fruit. The beginning of flowering is early. The time of maturity is medium to early.

**Picture:**



**Status:** Registration in force

Number of Registration: **P 2022 235 B**

Date of Registration: **2021 12 27**

Date of the Second Publication: **2022 01 20**

Name of Varieties: **TONDA FRANCESCA**

Common Name and Latin name of the Genus and Species: **Hazelnut / *Corylus avellana* L.**

Title Holder:

Università degli Studi di Perugia (IT)

Person, who Bred or Discovered and Developed the Variety:

Mirco BOCO (IT)

Agostino TOMBESI (IT)

Daniela Farineli (IT)

Brief Description of the Variety:

Hereinbelow is a brief description of the program of genetic improvement by crossbreeding from which the present variety has been generated.

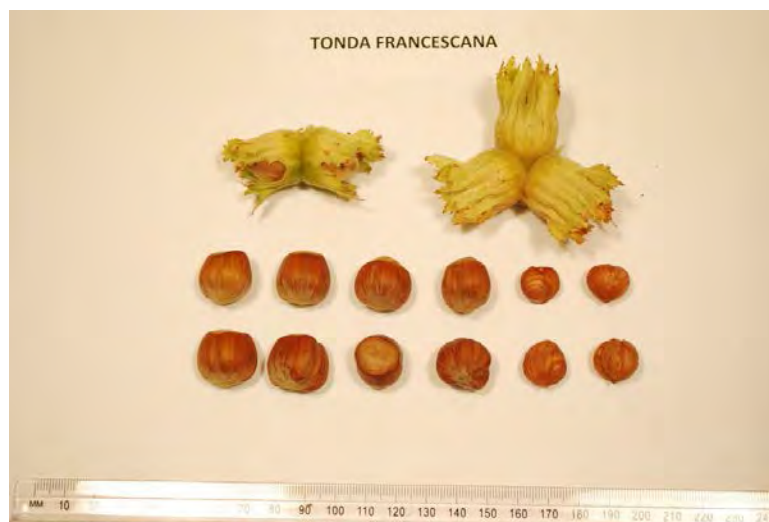
This program was started in the early '80s at the Istituto di Coltivazioni Arboree of the University of Perugia at the aim of finding new hazelnut varieties more suitable for industrial processing and able to meet the producers' needs.

In 1983 approximately 2,000 seedlings deriving from the mutual crossing of plants of Tonda Romana and Tonda di Giffoni, were planted.

In 1988 157 of the plants were selected by discarding those having small fruits and those having fruits with an elongated shape. Following this first selection, only 8 were chosen because they were characterized by a high yield when shelling the fruits, by a spheroidal shape of the fruit, by the earliness of the ripening period, and by late budding.

From 1993 until 2011 the agronomical characteristics of the plants have been evaluated as well as the organoleptic quality and industrial suitability of the fruits obtained from the 8 genotypes with respect to the characteristics of the parental plants, thus arriving some years later to identify the genotype denominated TONDA FRANCESCA, for which in 2013 the CPVO application was filed.

Picture:



Status: Registration in force



Number of Registration: **P 2022 236 B**

Date of Registration:

**2022 03 09**

Date of the Second Publication:

**2022 03 24**

Name of Varieties: **I-15**

Common Name and Latin name of the Genus and Species: *Olive tree / Olea europaea L.*

Title Holder:

Todolivo S.L. (ES)

Person, who Bred or Discovered and Developed the Variety:

Diego BARRANCO NAVERO (ES)

Jose María GÓMEZ PORRAS (ES)

Luis RALLO ROMERO (ES)

Concepción MUÑOZ DÍEZ (ES)

Carlos TRAPERO RAMÍREZ (ES)

Pedro VALVERDE CABALLERO (ES)

Brief Description of the Variety:

A new and distinct variety of olive tree, herein referred to by its cultivar name, 'I-15', is provided which forms an upright to spreading tree growth habit. Fruit with a medium weight is produced. The fruit exhibit black coloration and the fruit nipple is absent or weak. The stone of the fruit of the new variety is of medium weight.

Picture:



Status: Registration in force