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Maillard et al.

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(54) **PEACH TREE NAMED ‘CRISPDREAM’**

(50) Latin Name: *Prunus persica* (L.) Batsch
Varietal Denomination: **CRISPDREAM**

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(52) **U.S. Cl.**

USPC **Plt./197**

(58) **Field of Classification Search**

USPC **Plt./197**

See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct variety of yellow peach tree denominated ‘CRISPDREAM’ has fruits with high eating quality and very long shelf life without alteration before and after harvesting, with a semi-sweet orange yellow flesh, with a slightly star shaped red pigmentation around the stone cavity and into the stone cavity, and an attractive luminous and homogenous skin with a very high percentage of luminous purple red blush on skin surface.

2 Drawing Sheets

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Botanical classification: *Prunus persica* (L.) Batsch.
Variety denomination: ‘CRISPDREAM’.

This application claims priority of Community plant variety right No. 2014/3172 filed on Nov. 27, 2014 (Nov. 27, 2014) which is hereby incorporated by reference in its entirety.

BACKGROUND OF THE NEW VARIETY

The present invention relates to a new and distinct variety of yellow peach tree, *Prunus persica* (L.) Batsch, which has been given the variety denomination ‘CRISPDREAM’. This new tree produces fruits with a long shelf life without alteration both on the tree after growth completion and after harvesting, very good eating quality, clingstone orange yellow with a red pigmentation flesh fruits for fresh market in August in the Pyrénées-Orientales department, France. Contrast is made to ‘ALLREDAL’ yellow peach tree (non patented) for reliable description. ‘CRISPDREAM’ is a promising candidate for commercial success in that it has very attractive fruits with very long shelf life without alteration both before and after harvesting.

ORIGIN OF THE VARIETY

The ‘CRISPDREAM’ yellow peach tree originated from a cultivated area of the south of France, in the Pyrénées-Orientales department, where it was tested.

This place is under a Mediterranean climate (a temperate area), on the Mediterranean coastline. Winters are gentle and summers warm and dry. The amount of days with temperatures below 7° Celsius can vary between 600 and 1200 hours per year. The place is sunny, with 2400 to 2800 hours of

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sunny days per year on average. The prevailing wind is called ‘Tramontane’: it dries the air, clears the sky from clouds, but its intensity can be strong and affect the harvest, fruit quantity and/or quality. Marine moisture does not affect the place. Precipitations are irregular through the year and from one year to another. The amount of rainy days does not exceed 80 days per year, and are mostly found in Spring and Autumn. In May and October, very intense precipitations occasionally happen. Summer is dry with a few thunderstorms.

The ‘CRISPDREAM’ variety resulted from a pollinated cross between the ‘SWEETPRIM’ (U.S. Plant Pat. No. 21,157) white peach tree, which was used as the seed parent, and the ‘NECTABELLE’ (U.S. Plant Pat. No. 21,140) yellow nectarine tree which was used as the pollen parent.

The ‘CRISPDREAM’ variety was obtained by hybridizing and propagated by grafting on a “INRA® GF677” rootstock trees. It has been determined to have unique tree and fruit characteristics making it worthy for commercial fresh fruit production. There are no known effects of the standard rootstock trees set forth above on the scion cultivar. Asexually propagated plants remained true to the original tree and all characteristics of the tree and the fruit were transmitted. The plant was reproduced asexually by us in Les Régelines, Route d’Alenya, La Prade de Mousseillous, 66200 ELNE, Pyrénées-Orientales, France. More particularly, the plant was reproduced by grafting.

SUMMARY OF THE VARIETY

The new and distinct variety ‘CRISPDREAM’ yellow peach tree blooms at the end of February or early in March near Elne in the Pyrénées-Orientales department, France.

More particularly, it blooms between February 19th and March 16th. The blooming period is considered medium. However, it was observed that its early date of blooming seems to be highly dependant on climatic conditions.

The first fruit of 'CRISPDREAM' ripens generally at the end of July or early in August, approximately two days after the first fruit of 'ALLREDAL' yellow peach variety (non patented). More particularly, it usually ripens between July 12th and August 13th. However, it was observed that its early date of maturity seems to be highly dependant on climatic conditions.

DESCRIPTION OF THE DRAWINGS

In the accompanying drawing, which are as nearly true as it is reasonably possible to make in a color illustration of this type:

FIG. 1 is a color photograph showing a branch of a tree of the new variety in orchard, bearing fruits.

FIG. 2 is a color photograph that shows a close view of typical fruits of the new variety 'CRISPDREAM' at ripening time.

FIG. 3 is a color photograph which shows four typical specimens of the fruit, one having been cut in half with the pit being left into one of the halves for depicting fruit flesh and pit of the new variety.

FIG. 4. is a color photograph which depicts the flower buds at different development stages, and the reverse and side view of the flower and the reproductive organs with petals removed, of the new variety.

Due to chemical development, processing and printing, the leaves and fruit depicted in these photographs may or may not be accurate when compared to the actual botanical specimen.

DETAILED BOTANICAL DESCRIPTION

The tree, flowers, and fruit may vary in slight detail due to variations in soil type, cultural practices, and climatic condition. The potential for commercial production of fresh fruits by 'CRISPDREAM' is high, due to fruit very long shelf life without alteration after harvesting.

Trees are medium vigorous and large stature half-standing in a semi-flared to semi-upright out aspect. The anthocyanic coloration of flowering shoot is present excluding brushwood side away from sun. The time of beginning of flowering is considered medium; flowering begins at the end of February or early in March. The type of flower is showy with medium petal size. Petals are pale pink. Leaf glands are present and reniform. The fruit flesh is yellow to orange generally with a star-shaped and red pigmentation around the stone cavity and a red pigmentation into the stone cavity. The fruit skin is very thick, with a luminous and homogenous red purple blush on a red background. The stone is clingstone and his size is small to medium. Fruit taste is semi-sweet, very aromatic and with a high level of sugars.

Compared to 'ALLREDAL' (non patented) yellow peach tree, 'CRISPDREAM' variety ripens approximately two days later, as set forth above. The flavour of 'CRISPDREAM' flesh is semi-sweet, aromatic and sugary whereas the flavour of 'ALLREDAL' is balanced. Moreover, 'CRISPDREAM' fruits are round and regular in shape. In comparison, the fruits produced by 'ALLREDAL' are round to slightly ovate in shape. The stone of 'CRISPDREAM' variety is clingstone, medium to small in size whereas the stone of 'ALLREDAL' is semi-clingstone and small in size.

Compared to its female parent 'SWEETPRIM' (U.S. Plant Pat. No. 21,157) which is a white peach tree, the new variety 'CRISPDREAM' is a yellow peach. The 'SWEETPRIM' variety presents an early season of ripeness, whereas the new variety 'CRISPDREAM' is considered to have a medium to late season of ripeness. More particularly, the fruits of 'SWEETPRIM' ripen 4 weeks before 'BIGTOP' yellow nectarine tree (non patented) whereas the fruits of the new variety 'CRISPDREAM' have a similar period of maturity as 'BIGTOP' yellow nectarine tree. The flavour of 'SWEETPRIM' fruits is considered balanced to semi-sweet. In comparison, the flavour of 'CRISPDREAM' fruits is semi-sweet, sugary and aromatic. Finally, the white flesh of 'SWEETPRIM' shows an important red pigmentation and is then considered as a 'half-blood' peach. In comparison, the yellow flesh of the new variety 'CRISPDREAM' has a slightly star-shaped red pigmentation around the stone cavity on approximately 5.0 millimeters.

Compared to its male parent, which is a yellow nectarine named 'NECTABELLE', the new variety 'CRISPDREAM' is a yellow peach, as mentioned above. The fruits of the new variety 'CRISPDREAM' ripen approximately 4 weeks later than the fruits of 'NECTABELLE', which is considered as a variety having an early season of ripeness. Flowers of 'NECTABELLE' are of campanulate-type whereas flowers of 'CRISPDREAM' are of rosette-type.

DETAILED DESCRIPTION

Referring more specifically to the pomological details of this new and distinct variety of yellow peach tree, the following was observed on trees in their third growing season (second year of production) under the ecological conditions prevailing at the orchards located near the town of Elne, Pyrénées-Orientales département, France. All observations have been done on rootstock cultivars. Used rootstocks were "INRA® GF677" trees. All major color code designations are by reference to The R.H.S. Color Chart (Fourth Edition) provided by The Royal Horticultural Society of Great Britain.

TREE

Size:

Generally.—Considered large. The tree size the first year was approximately 250 cm. The tree was pruned during each following dormant season to a height of approximately 250 cm. Current season shoots growth could reach 60 to 80 cm. The tree size from the second year (second and next years) reached a final height of 310 to 330 cm including current season shoots length. The tree size is consistently reduces to 250 cm the next years.

Spread: Approximately 100 cm with a cylindrical shape. The whole orchard was oriented to a central leader organization, with tree lines spaced of 4.0 meters and trees spaced of 1.0 meter in a same tree line. As a result, tree spread was about 100 cm and the orchard contained 2500 trees by hectare.

Vigor: Considered strong. Probably useful to reduce the supply in nitrogen nutriments in order to avoid an excessive vegetation.

Productivity: Very Productive and regular, every year. Fruit set is spaced by thinning to develop the remaining fruit into the desired market sized fruit. The number of the fruit set varies with the prevailing climatic conditions and

cultural practices employed during the bloom period, and is therefore not distinctive of the present variety.

Bearer: Very regular. The fruit distribution is considered homogenous on mixed branches and spurs having more than 1 year. A reduced thinning is performed, regarding the ability of the new variety to produce homogenous fruits having an interesting potential in terms of size.

Form: The 'CRISPDREAM' variety has naturally a semi-flared to semi-upright shape.

Density: Considered dense.

Hardiness: The present tree was grown and evaluated in France. The variety appears to be hardy under the central Pyrénées-Orientales département typical climatic conditions. Experimentations in the same orchard in Elne, Pyrénées-Orientales département, with winter chilling requirement below 7.2° C. comprised between 350 hours and 1200 hours depending on the specificities of the year, namely, 1076 hours in 2012-2013, 767 hours in 2013-2014, 552 hours in 2014-2015 and 721 hours in 2015-2016, showed a good behaviour of the tree in all cases. No damages were caused by ascertained temperatures as low as -12 degrees Celsius in winter. The tree was also very resistant to frosty springtime weather.

TRUNK

Diameter: Approximately 5.4 to 6.5 centimeters in diameter when measured at a distance of approximately 30 centimeters above the soil level.

Bark texture: Considered slightly rough, with lenticels.

Lenticels: Numerous lenticels are present. The number of lenticels reaches 2 or 3 lenticels per cm². The lenticels range in size from approximately 3.0 millimeters to 6.0 millimeters in width, and from 1.5 to 2.5 millimeters in height.

Lenticel color: The outside of lenticels has a silver-grey color (RHS Grey 201 D), whereas the inside is considered brown (RHS Greyed Orange 165 A to RHS Greyed Orange 165 B).

Bark coloration: The bark has a silver-grey color (RHS Grey 201 C) slightly darker than the outside of lenticels color.

BRANCHES

Size: Mature branches and current season shoots are considered medium for the variety.

Diameter: Average as compared to other peach varieties. The current season shoots have a diameter from 6.0 to 7.0 millimeters, and branches in their third growing season show a diameter from 10.0 to 13.0 millimeters.

Surface texture: Average, wood which is several years old has no furrowed appearance.

Crotch angles: Primary branches are considered variable, but the crotch angles are generally of 45 degrees from the horizontal axis. This particular characteristic is not considered distinctive of the variety, however.

Current season shoots:

Internode length: Generally between 25.0 and 33.0 millimeters.

Color of mature branches: Medium brown (RHS Grey Brown 199 A).

Current seasons shoots:

Color.—The color of new shoot tips is considered a pale yellow-green (RHS Yellow Green 144 A to RHS Yellow Green 144 B) on lower part of new shoot tips, whereas the upper part is darker and

colored in brown-purple to red purple (RHS Greyed Purple 187 A to RHS Greyed Purple 187 B).

Spur:

Spur length.—Approximately 2.0 millimeters.

Vegetative bud size.—Length between 14.0 and 17.0 millimeters and width between 7.0 and 9.0 millimeters.

Vegetative bud shape of apex.—Acute.

Position of vegetative bud in relation to one year old shoot.—Slightly held out.

LEAVES

Size: Considered medium for the species. The ratio leaf length/leaf width is 4.06.

Leaf length: Approximately 130.0 to 160.0 millimeters with leaf petiole. The medium length is 152.6 millimeters.

Leaf width: Approximately 35.0 to 40.0 millimeters. The medium width is 37.6 millimeters.

Leaf base shape: Concave.

Leaf form: Lanceolate.

Leaf tip form: Acuminate.

Leaf blade incision of margin.—Crenate.

Leaf color:

Upper leaf surface.—Dark Green (RHS Green 137 A to RHS Green 137 B) or green (RHS Yellow Green 146 A).

Lower surface.—A lighter green (RHS Yellow Green 146 B or RHS Yellow Green 147 A) than the upper leaf surface color.

Leaf texture: Smooth and glabrous.

Leaf venation: Pinnately veined.

Mid-vein:

Color.—Light green (RHS Yellow Green N144 A). The color may evolve with maturity.

Leaf margins: Slightly undulating.

Form: Considered slightly dentate.

Uniformity: Leaves are isolated or grouped by 2 or 3. In this last case, one leaf of normal size is found with one or two smaller leaves (at least 50% smaller).

Leaf petioles:

Size.—Considered medium.

Length.—About 10.0 to about 13.0 millimeters.

Diameter.—About 1.5 to 2.0 millimeters.

Petioles color:

Upper petiole surface.—Light green (RHS Yellow Green 144 A).

Lower surface.—Light green (RHS Yellow Green 145 A).

Leaf glands:

Position of leaf glands (nectaries) on leaf.—Predominantly on the upper part of the petiole.

Size.—Considered medium. Their length is about 1.3 millimeters and their width is about 1.0 millimeter.

Number.—Generally 2 to 4 glands per leaf.

Type.—Reniform.

Color.—On young leaves, leaf glands color is considered a light green (RHS Green 145 B). On older leaves, leaf glands color turns to a dark brown (RHS Grey Brown 199 A to RHS Grey Brown 199 B).

Margins.—Smooth and regular.

Leaf stipules:

Generally.—No leaf stipules were observed. But as seen in the characteristic relative to the leaves uniformity, it is

possible to find leaves by groups of 2 or 3, with a normal-size leaf and smaller ones.

FLOWERS

Flower buds:

Generally.—At pre-floral stage of development, the floral buds are conic in form with a round tip. Their form is evolving until blooming, with variables dimensions. Just before blooming, floral buds are approximately between 9.0 and 11.0 millimeters wide and approximately 19.0 to 21.0 millimeters long.

Color.—This characteristic is dependent upon the proximity to bloom. At pre-floral stage of development (stage A), the bottom of the flowers buds, formed by the sepals, is of purple-brown color (RHS Greyed Purple 183 A to RHS Greyed Purple 183 B to RHS Greyed Purple 183 C or RHS Greyed Purple 187 B and RHS Grey Brown Group 199A at the base). The corolla, formed by the petals, is generally of pale pink color (RHS Red Purple 69 B to RHS Red Purple 69 C). Petals color shows an evolution until the end of flowering.

Hardiness: The buds are considered hardy under typical central Pyrénées-Orientales departement climatic conditions. No winter injury was noted during the last several years of evaluation in the central Pyrénées-Orientales departement, with winter temperatures as low as -10 degrees Celsius in January. The current variety has not been intentionally subjected to drought or heat stress, but the variety showed a very good resistance in orchard to temperatures up to 42 degrees Celsius with an average temperature between 28 and 30 degrees Celsius during 3 weeks in summer.

Date of bloom: The blooming time generally begins at the end of February or early in March. The first bloom was observed on Mar. 8, 2012.

Blooming time: Considered medium-season in relative comparison to other commercial peach cultivars grown in the Pyrénées-Orientales departement, France. The date of full bloom is observed at the middle of the blooming period. The date of bloom varies slightly with climatic conditions and cultural practices. Thus the first full bloom was observed on March 8th until Mar. 15, 2012, then from February 19th until Mar. 8, 2013, then from February 20th until Mar. 4, 2014, then from March 7th to Mar. 16, 2015.

Duration of bloom: Approximately 8 to 18 days. This characteristic varies slightly with the prevailing climatic conditions.

Flower type: The variety is considered to have a showy type flower (rosette type).

Flower size: Considered large. Flower diameter at full bloom is approximately 32.0 to 35.0 millimeters.

Bloom quantity: Considered abundant, approximately between 40 and 45 flowers per meter, with a good distribution and a high rate of fruit set.

Flower bud frequency: Generally 2 flower buds appear per node, occasionally 1.

Petal size:

Generally.—Considered medium.

Length: Generally between 20.0 and 22.0 millimeters.

Width: Generally between 20.0 and 22.0 millimeters.

Petal form: Round-shaped.

Petal count: Generally 5.

Petal texture: Smooth, soft and glabrous.

Petal color: Both surfaces of the petal are colored with a pale pink color (RHS Red Purple 69 B to RHS Red Purple 69 C) when young, becoming slightly darker until the end of blooming.

Flower arrangement of petals.—Free or slightly touching.

Fragrance: Sweet.

Petal claw:

Form.—The claw is considered to have a triangular form, narrower at the base.

Length.—Approximately 2.0 millimeters.

Width.—Approximately 1.0 millimeter at the base.

Color.—Dark pink (RHS Red Purple 73 B to RHS Red Purple 73 C).

Petal margins: Generally considered slightly undulating.

Petal apex:

Generally.—The petal apices are generally round and curved-shaped.

Flower pedicel:

Length.—Considered medium to large and having an average length of approximately 3.0 millimeters.

Diameter.—Considered average, approximately 1.5 to 2.0 millimeters.

Color.—Green (RHS Yellow Green N144 A to RHS Yellow Green N144 B).

Calyx:

Internal surface texture.—Smooth and glabrous.

Color.—At the stage F of blooming, when the flower is open, the inner surface of the calyx is matt and considered golden-orange (RHS Greyed Red 178 C to RHS Greyed Red 178 B). The outer surface of the calyx is considered of purple-brown color (RHS Greyed Purple 183 A to RHS Greyed Purple 183 B to RHS Greyed Purple 183 C or RHS Greyed Purple 187 B and RHS Yellow Green 144 A to RHS Yellow Green 144 B at the base).

Sepals:

Number.—Generally five sepals.

Surface texture.—The outer surface has a short, fine pubescent texture.

Size.—Average.

Length.—Approximately 6.0 millimeters.

Width.—Approximately 4.0 to 5.0 millimeters.

Color.—At the stage F of blooming, the outer surface of the sepals is considered of purple-brown color (RHS Greyed Purple 183 A to RHS Greyed Purple 183 B to RHS Greyed Purple 183 C or RHS Greyed Purple 187 B). The inner surface of the sepals is matt and considered golden-orange (RHS Greyed Red 178 C to RHS Greyed Red 178 B).

Average number of stamens per flower: Approximately 38 to 44 stamens per flower.

Anthers:

Generally.—Medium in length.

Anther position relative to petals.—Above.

Color.—Orange yellow color (RHS Yellow Orange 16 A to RHS Yellow Orange B) or red to red orange color (RHS Red Group N34A or RHS Greyed Red Group 178 A). The color may evolve with maturity to turn in a red orange color.

Pollen production: Pollen is abundant, and has an orange yellow color (Approximately RHS Yellow Orange 17 B to

RHS Yellow Orange 17 C) which may evolve with maturity. The present variety is considered auto-fertile (self-pollinating).

Filaments:

Size.—Medium length, between 9.0 and 15.0 millimeters in length. Filaments length is generally higher to the pistil's length.

Color: Considered white (RHS White N155 D) to light pink (approximately RHS Red Purple 62 C to RHS Red Purple D). The color becomes darker during the blooming.

Pistil:

Number.—Usually 1.

Generally.—Average in size.

Length.—Approximately 16.0 to 18.0 millimeters including the ovary. Generally equal to stamen length, if not slightly smaller.

Color.—Considered a very pale green (RHS Yellow Green Group 151 D) at the beginning of flowering, it becomes lighter and lighter (RHS Yellow Green 150 D) during the blooming and sometimes very slightly pinky (RHS Red Group 36D) at the end of the blooming.

Surface texture.—Glabrous.

FRUIT

Maturity when described: Very firm in ripe conditions (shipping ripe).

Date of first picking: Jul. 20, 2012.

Date of last picking: The date of harvest varies slightly with the prevailing climatic conditions. The 'CRISPDREAM' variety has a medium to late date of picking, and a grouped maturity. The maturity is grouped within 5 to 13 days and the harvest is generally performed in two runs. Last known picking times carry on from July 20th to Jul. 24, 2012, then from August 1st until Aug. 13, 2013, then from July 12th to Jul. 19, 2014 and from July 31th to Aug. 12, 2015

Size:

Generally.—Homogeneous in size, mainly 2A-A, almost not downy, very round.

Average cheek diameter: Approximately 69.0 to 74.0 millimeters.

Average axial diameter: Approximately 67.0 to 72.0 millimeters.

Typical weight: Generally about 175.0 to 215.0 grams. This characteristic is high dependent upon the prevailing cultural practices, and therefore is not particularly distinctive of the variety.

Fruit form:

Generally.—Round. The fruit is generally uniform in symmetry, viewed from the suture's plane.

Fruit suture: Wide-mouthed and slightly marked, extending from the base to the apex. No apparent callousing or stitching exists along the suture line. Not pointed.

Suture:

Color.—The suture has generally a similar color to the whole fruit color, a luminous purple red (RHS Greyed Purple N186 C or RHS Greyed Purple 187 A).

Depth of fruit suture.—The suture is not or slightly marked.

Ventral surface:

Form.—Smooth.

Apex: Non-prominent, generally slightly depressed.

Base: Semi-flared, shallow.

Stem cavity: Average depth of the stem cavity is about 13.0 to 15.0 millimeters. Average width is about 18.0 to 20.0 millimeters.

Fruit skin:

Thickness.—Considered very thick and strong, and the adherence of skin to flesh is strong to medium, depending on the fruit maturity.

Texture.—Short pubescence.

Lenticels.—Absent.

Taste.—Aromatic, with a high level of sugars but semi-sweet due to acidity level between 6 and 9 meq/100 mL, which shows practically no variation after picking.

Tendency to crack.—None observed.

Color:

Blush color.—This blush color is a luminous and homogenous purple red (RHS Greyed Purple N186 C or RHS Greyed Purple 187 A). The red blush covers 95% to 100% of the fruit skin surface on a red background (RHS Greyed Purple 185 A). The percentage of the blush on the fruit skin surface can vary, and is generally dependant upon the prevailing conditions under which the fruit was grown.

Ground color.—The ground color covers at the most 5% of the fruit skin surface, and is considered red (RHS Greyed Purple 185 A).

Fruit stem: Medium in length, approximately 7.0 to 8.0 millimeters.

Diameter: Approximately 4.0 to 5.0 millimeters.

Color: Pale green (RHS Yellow Green 145 A).

Flesh:

Ripens.—Very homogeneously, slowly. The flesh has a long shelf life.

Texture.—Very firm, very dense, juicy at harvest maturity stage, with crunchy texture when biting, but the flesh disintegrates quickly in the mouth.

Fibers.—Not fibrous.

Aroma.—Pronounced.

Eating quality.—Considered very good and aromatic.

Flavor.—Considered semi-sweet and very aromatic. The Brix is generally superior to 13 and acidity comprised between 6 and 9 meq/100 ml.

Juice.—Very juicy at complete maturity.

Brix.—Generally 17.0 to 19.0 degrees. This characteristic varies slightly with the number of fruit per tree; prevailing cultural practices; and the surrounding climatic conditions.

Flesh color.—Orange yellow flesh (RHS Yellow Orange 15 B to RHS Yellow Orange 15 C) usually with a slightly star shaped red pigmentation (RHS Orange Red N 34 A) on approximately 5.0 millimeters around the stone cavity. The red pigmentation is also present into the stone cavity.

STONE

Type: Clingstone, more or less adherent depending on the fruit maturity.

Size: Considered medium to small for the variety. The stone size varies significantly depending upon the tree vigor, crop load and prevailing growing conditions.

Length: Approximately 27.0 to 29.0 millimeters.

Width: Approximately 19.0 to 22.0 millimeters.

Diameter: Approximately 16.0 to 18.0 millimeters.

Form: Elliptic.

Base: Straight.

Apex:

Shape.—The stone apex is short, pointed.

Stone cavity: Considered medium to large size, with an
ovate-form and dimensions corresponding to the stone's
dimensions. 5

Stone surface:

Surface texture.—The pit is transversely furrowed on
its entire surface. Furrows are more pronounced
toward the apex. The stone is pitted toward the base.
Relief is prominent generally and present basally. 10

Ridges.—The surface texture is generally characterized
by more prominent ridges along the ventral edges
and is more prominent at the apical tip. 15

Ventral edge:

Width.—Considered small to medium, and having a
dimension of approximately 2.0 millimeters at mid-
suture.

Dorsal edge: 20

Shape.—Grooved.

Stone color: The color of the dry stone is generally consid-
ered light orange brown (RHS Greyed Orange 166 C).

Tendency to split: Splitting is very low or absent, depending
on climatic conditions between blooming period and
stone hardening. 25

Kernel:

Size.—The kernel is considered small.

Length.—Approximately 15 millimeters.

Width.—Approximately 9 millimeters. 30

Thickness.—Approximately 3 millimeters.

Form.—Considered oblate and elliptic.

Pellicle.—The pellicle of the kernel has a short pubes-
cence.

Color.—The kernel skin is a orange-brown (RHS 35
Greyed Orange N167 A). The almond, which is the
seed of the kernel, is white (RHS White 159 D) and
has a bitter tasting. The kernel and its embryo are
mature at the time of fruit maturity.

Use: The subject variety 'CRISPDREAM' is considered to 40
be a peach tree of the medium season of maturity, and
which produces fruits that are considered firm, attrac-

tively colored with a very luminous purple red. Fruits
have a semi-sweet taste and are excellent for uncooked
consumption, crunchy or melting when at full maturity.
Fruits have excellent gustative qualities. Due to their flesh
quality, firmness and density, they can also be commer-
cialized as 4th range product (packed fruit or fruit in bags
for example). And they are also useful for both local and
very long distance shipping.

Keeping quality: Remarkable. Fruit have a slow maturation
and a long shelf life both on the tree after growth
completion and after harvesting without alteration. After
growth completion, fruits are preserved more than one
week. After harvest, fruits are well preserved more than 4
weeks at 2.0 degree Celsius.

Shipping quality: Considered very good. The fruit of the
new yellow peach variety showed minimal bruising of the
flesh or skin damage after being subjected to normal
harvesting and packing procedures. Its resistance to han-
dling during harvest and packing and its long shelf life
without alteration after harvest easily permit 3 to 4
weeks-shipping at 2 degrees Celsius.

Resistance to insects and disease: No particular suscepti-
bilities were noted. The present variety is not very sen-
sitive to powdery mildew, or conservation diseases and
decay due to its thick and strong skin.

Although the new variety of peach tree possesses the
described characteristics when grown under the ecological
conditions prevailing near Elne, Pyrénées-Orientales depart-
ement, France, it should be understood that variations of the
usual magnitude and characteristics incident to changes in
growing conditions, fertilization, pruning, pest control and
horticultural management are to be expected.

We claim:

1. A new and distinct variety of yellow peach tree as
illustrated and described, characterized by fruits with high
eating quality and very long shelf life without alteration
before and after harvesting, with a semi-sweet orange yellow
flesh, with a slightly star shaped red pigmentation around the
stone cavity and into the stone cavity, and an attractive
luminous and homogenous skin with a very high percentage
of luminous purple red blush on skin surface.

* * * * *



Fig. 1

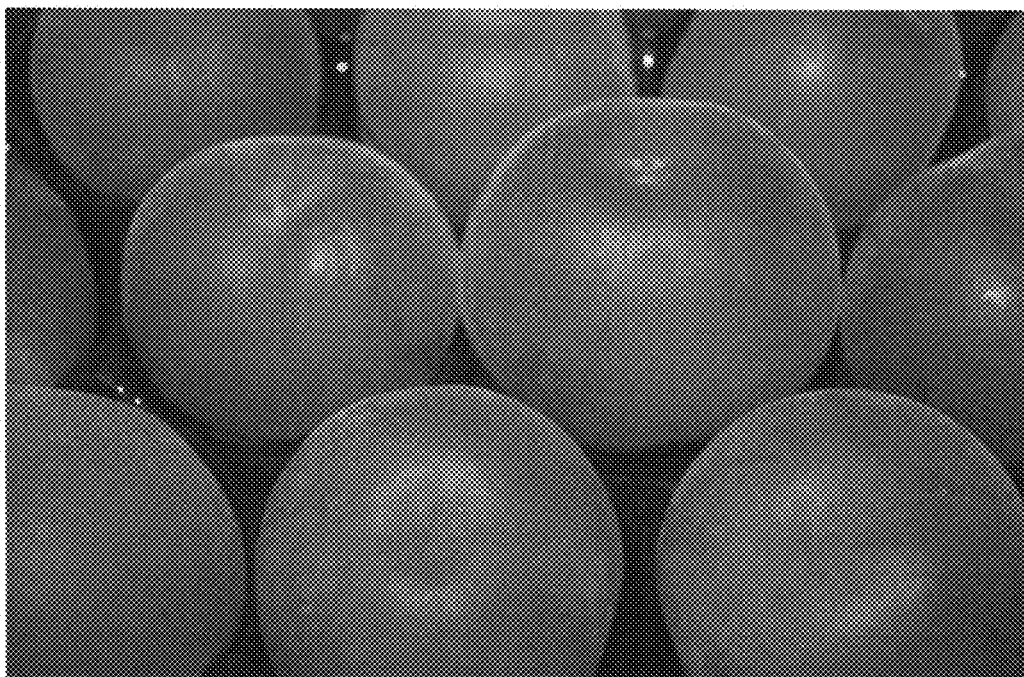


Fig. 2

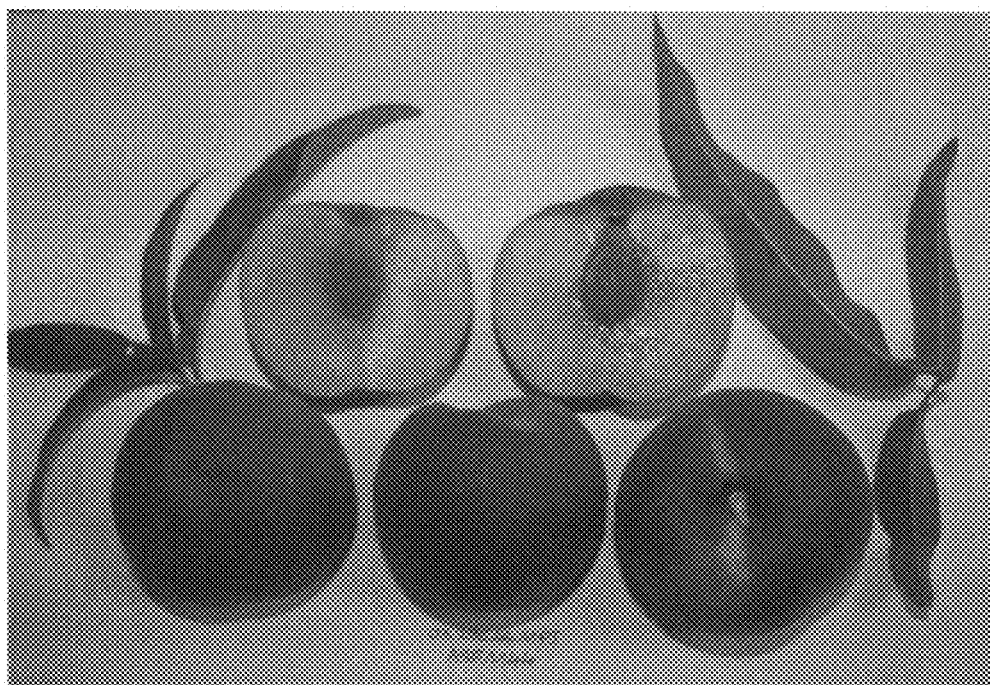


Fig. 3

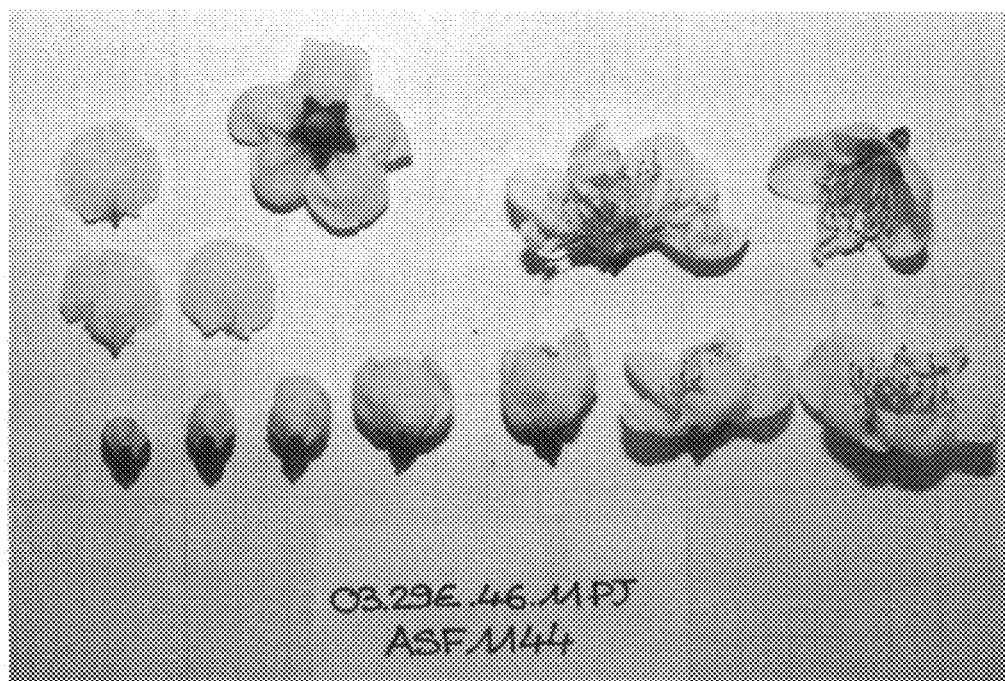


Fig. 4