



玉米手册

CORN MANUAL

烟台绿野田园种业有限公司

Ideal Verdant Fields Seeds Co. Ltd

Sugar baby



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow

Tropical

Hybrid

Yes

Disease Resistance

High resistance to southern corn leaf blight disease. Medium resistance to rhizoctonia banded leaf and sheath blight disease and stalk rot disease, developed root system and lodging resistance

Features

- Early maturity

Description

85 days in spring and 76 days in autumn. The plant height is 237-259 cm, the ear height is 86-93 cm, the ear length is 19-22 cm, the ear thickness is 5.3-5.4 cm, the single bud fresh weight up to 500 grams, the grain is compact and closed small shaft, yellow grain, sweet taste. The soluble sugar content was between 40.0% to 46.4%, with relatively thin peel and excellent quality.

The information provided is based on an average of data and observations collected from our trials. Significant variations may occur in the performance due to a range of conditions including cultural/management practices, climate, soil type and geographic location. As a consequence, Ideal Verdant Fields Co. Ltd cannot accept any liability as to the accuracy of this information.

Sweet heart



Crop

Sweet Corn

Market Segment

Sweet Corn

Tropical

Hybrid

Yes

Disease Resistance

Good

Features

- Early maturity

Description

The full growth period is 89 days. The average yield is 1400 kg per mu. About 210.4 cm in plant height, 80.1 cm in ear height, 2.01 cm in stem diameter. The average corn ear weight is about 410 g, after removing the husk is about 304 g, about 19.5 cm in panicle length, 5.1 cm in panicle diameter. The variety has about 16.4 rows per ear and 1.2 cm in the grain depth. Good uniformity, slightly wide leaves, compact plant type, strong plants, dark green leaf, strong lodging resistance, long harvesting period and good green retention in the later period.

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SC-05



Crop

Sweet Corn

Market Segment

Sweet corn, yellow,
Temperate

Hybrid

Yes

Disease Resistance

Strong

Features

- Cylindrical in shape
- Kernels are yellow color

Description

This corn hybrid has wide adaptability, suitable for cultivation from southern to northern regions, and can be sown in spring and autumn. The kernels are bright-colored with excellent grain quality, long post-harvest shelf life, and good storability and transportability. The plants exhibit strong resistance, green husks, and high yield potential. It combines the desirable grain color and quality characteristics typical of Thai lines.

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SC-54



Crop

Sweet Corn

Market Segment

Sweet corn, yellow
Subtropical hybrid

Hybrid

Yes

Disease Resistance

Strong

Features

- Cylindrical in shape
- Kernels are yellow color

Description

From spring sowing to fresh ear harvest takes approximately 88–90 days. Plants have a spreading growth habit with broad leaves, semi-drooping dark green foliage, and green leaf sheaths at the seedling stage. Average plant height is about 220 cm with an ear placement of around 85 cm. Ears are cylindrical, about 22 cm long and 5 cm in diameter, with 16–18 kernel rows. Fresh ear weight (with husk) is 550–600 g. Cob is white; silks are green; kernels are yellow. Shows moderate resistance to northern leaf blight (*Exserohilum turcicum*), susceptible to common smut (*Ustilago maydis*); regionally resistant to southern leaf blight (*Bipolaris maydis*), susceptible to maize dwarf mosaic virus (MDMV) and head smut (*Sphacelotheca reiliana*).

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SC-D3



Crop

Sweet Corn

Market Segment

Sweet corn, bicolor

Temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 220 cm
- Long-cylindrical in shape
- Kernels are yellow and white bicolor
- Semi-compact plant

Description

This is a temperate bicolor hybrid variety with high yield potential and a semi-compact plant architecture. It produces visually attractive ears with excellent flavor, well-filled tips, and kernels arranged in straight rows. It has an early to mid-season maturity and an **sh2** genotype, with yellow and white bicolor kernels. The plants reach an average height of about 220 cm with an ear height of 75 cm. Ears are 20–23 cm long and 5.1 cm in diameter, bearing 16–18 rows of kernels, each approximately 1.1 cm in length. The hybrid exhibits strong lodging resistance and high disease resistance.

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SC-D6



Crop

Sweet Corn

Market Segment

Sweet corn, Bicolor,
Semi-subtropical

Hybrid

Yes

Disease Resistance

Strong

Features

- Plant height is 240 cm
- Long-cylindrical in shape
- Kernels are yellow and white bicolor

Description

The plant height is usually 1.8-2.5 meters, the ear height is 50-100 cm, the ear length is 17-22 cm, and the number of ear rows is 14-18. The leaves are broad and thick, dark green, the plant type is mostly flat or semi-compact, the stems are thick, and the lodging resistance is strong. The grain color is yellow, the peel is thin and transparent. The ear type is mostly cylindrical or long conical.

High sugar content, uniform distribution of water-soluble sugar, sweet, crisp and tender taste, less residue. Suitable for fresh eating, quick freezing, canning or processing.

Good disease resistance, drought resistance, waterlogging resistance, barrenness resistance, strong adaptability, suitable for a variety of soil types.

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SC-66



Crop

Sweet Corn

Market Segment

Sweet corn, yellow

Temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 210 cm
- Long-cylindrical in shape
- Kernels are yellow color
- Semi-compact plant

Description

This is a temperate, high-yield potential hybrid variety with a semi-compact plant architecture. It produces attractive ears with excellent eating quality and flavor, featuring uniform kernel arrangement and well-filled tips. The growth duration is classified as early to medium maturity, and the genotype is of the sh2 type with light yellow kernels. Plants reach a height of 210 cm with an ear height of 70 cm. The ears are 20–21 cm long with a diameter of 5.1 cm, bearing 16–18 rows of kernels, each approximately 1.1 cm in length. The hybrid exhibits strong lodging resistance and excellent disease resistance.

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SC-88



Crop

Sweet Corn

Market Segment

Sweet corn, yellow

Temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 210 cm
- Long-cylindrical in shape
- Kernels are yellow color
- Relatively compact plant

Description

This is a temperate high-yield potential hybrid cultivar characterized by a relatively compact plant architecture and attractive ear appearance. It has excellent eating quality, with well-arranged kernels, good husk coverage, and fully developed, plump grains. Classified as an early-maturing variety, it possesses the **sh2** genotype and produces kernels with a bright golden-yellow color. The plants reach an average height of 210 cm with an ear height of 70 cm. Ears measure 20–21 cm in length and 5.2 cm in diameter, with 16–18 rows of kernels. The kernels are approximately 1.1 cm in length. This cultivar exhibits strong lodging resistance and excellent disease resistance.

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SC-19



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow

Subtropical

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 254.3 cm
- Cylindrical in shape
- Kernels are yellow color
- Semi-compact plant

Description

From emergence to fresh ear harvest, the growth period is 90 days. The seedlings have green leaf sheaths. The plant has a semi-compact architecture, with an average plant height of 253.4 cm and an ear height of 103.8 cm, bearing 17–20 leaves per mature plant. The silks are green. The ears are cylindrical, with an average length of 23.1 cm and a diameter of 5.0 cm, containing 16–18 rows of kernels. The cob is white, and the kernels are yellow, sweet-type, with a fresh 100-kernel weight of 34.8 g. In inoculation tests, the variety shows moderate resistance to northern corn leaf blight but is susceptible to common smut.

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SC-23



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow

Subtropical

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 251 cm
- Long Cylindrical in shape
- Kernels are yellow color

Description

The seedlings have green leaf sheaths, green leaves, green leaf margins, green anthers, and green glumes. The plant exhibits a spreading growth habit, with a plant height of 251 cm and an ear height of 106 cm, bearing an average of 20 leaves per mature plant. The ears are long-cylindrical, with an average length of 21.9 cm, 16–20 kernel rows per ear, and an ear diameter of 5.1 cm. The cob is white, and the kernels are yellow and sweet-type. The 100-kernel weight is 33.7 g. Artificial inoculation tests show resistance to head smut (*Sphacelotheca reiliana*), susceptibility to northern leaf blight (*Exserohilum turcicum*), and high susceptibility to common smut (*Ustilago maydis*). The pericarp residue rate is 4.83%, the reducing sugar content is 8.6%, and the total water-soluble sugar content is 31.72%.

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SC-25



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow

Subtropical

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 261 cm
- Long Cylindrical in shape
- Kernels are yellow color

Description

The seedling sheath is green, the leaves are green, the leaf margins are green, the anthers are green, and the glumes are green. The plant architecture is spreading, with a plant height of 261 cm and ear height of 107 cm. The mature plant bears 20 leaves. The ear is cylindrical, measuring 20.8 cm in length, with 14 to 20 rows of kernels per ear and an ear diameter of 4.9 cm. The rachis is white. The kernels are yellow, exhibiting a sweet quality type, with a hundred-kernel weight of 38 g. Inoculation identification shows resistance to smut (*Ustilago* spp.) black disease, susceptibility to large spot disease, and high susceptibility to silk smut disease. The bran rate is 4.38%, the reducing sugar content is 8.04%, and the total water-soluble sugar content is 29.27%.

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SC-41



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow
temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 237 cm
- long-cylindrical in shape
- kernels are yellow color

Description

The seedlings have green leaf sheaths with white leaf margins and yellow anthers, and the glumes are green. The plant exhibits a spreading growth habit, with an average plant height of 237 cm and an ear placement height of 87 cm. The ears are long-cylindrical, with an average ear length of 20.5 cm and 16–18 kernel rows per ear. The cob is white, and the kernels are yellow, sweet-type, with a 100-kernel weight of 37.6 g. The pericarp residue rate is 4.06%, the reducing sugar content is 8.76%, and the total water-soluble sugar content is 28.88%. The variety achieved a sensory evaluation score of 85.35.

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SC-42



Crop

Sweet Corn

Market Segment

Sweet corn, yellow
temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 237 cm
- long-cylindrical in shape
- kernels are yellow color

Description

The seedlings have green leaf sheaths with white leaf margins and yellow anthers, and the glumes are green. The plant exhibits a spreading growth habit, with an average plant height of 237 cm and an ear placement height of 87 cm. The ears are long-cylindrical, with an average ear length of 20.5 cm and 16–18 kernel rows per ear. The cob is white, and the kernels are yellow, sweet-type, with a 100-kernel weight of 37.6 g. The pericarp residue rate is 4.06%, the reducing sugar content is 8.76%, and the total water-soluble sugar content is 28.88%. The variety achieved a sensory evaluation score of 85.35.

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SC-43



Crop

Sweet Corn

Market Segment

Sweet corn, yellow
temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 248 cm
- long-cylindrical in shape
- Kernels are yellow and dent-shaped

Description

At the seedling stage, the sheath is green, the leaves are green, and the leaf margins are green. The ear has a medium number of branches with medium branch length; the anthers are yellow and the filaments are green. The plant has a spreading growth habit with a large angle between the ear and the stem, relatively sparse and flat leaves, and an average of 17 leaves per mature plant. The plant height is 248 cm with an ear height of 98 cm. The ear is cylindrical, with an average ear length of 22.6 cm, 16–18 rows per ear, and an average of 41.3 kernels per row. The 100-kernel weight is 15 g, and the cob is white. Kernels are yellow and of the dent type. The average period from emergence to fresh ear harvest is 73.14 days across two years of regional trials.

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SC-44



Crop

Sweet Corn

Market Segment

Sweet corn, yellow
temperate

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 240 cm
- Cylindrical in shape
- Kernels are yellow color

Description

The yellow sweet corn variety is suitable for temperate regions with a spring planting maturity period of approximately 85–90 days from emergence to fresh ear harvest, and about 75 days under summer planting conditions. The plant reaches an average height of approximately 240 cm, with ear placement at around 80 cm. It exhibits a spreading plant architecture. The kernels are yellow in color, with a white cob. The ear is cylindrical in shape, measuring approximately 21 cm in length and 5.2 cm in diameter, with 16–18 kernel rows per ear. Individual ear weight ranges between 500 and 600 grams. This variety is well-suited for fresh consumption.

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SC-45



Crop

Sweet Corn

Market Segment

Yellow sweet Corn, **temperate**

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 197.5 cm
- Cylindrical in shape
- Kernels are yellow color

Description

The seedling leaf sheath is green. The plant exhibits an open type with a plant height of 197.5 cm and ear height of 68.8 cm. Tassel filaments are green. The ear is cylindrical, measuring 19.3 cm in length and 4.9 cm in diameter, with 14 to 16 rows per ear. The ear axis is white. Kernels are yellow and of the vitreous type. The 100-kernel weight (fresh kernels) is 41.8 g. Inoculation identification shows moderate resistance to Northern corn leaf blight, susceptibility to stalk rot and common smut, and high susceptibility to maize dwarf mosaic virus. Taste evaluation scored 86.7 points. Quality analysis indicates a bran rate of 8.31%, reducing sugar content of 7.65%, and water-soluble sugar content of 24.08%.

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SC-46



Crop

Sweet Corn

Market Segment

Temperate yellow-white bicolor
super-sweet corn variety

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 200 cm
- Cylindrical in shape
- Kernels are yellow and white bicolor

Description

This is a temperate zone yellow-white bicolor super-sweet corn variety suitable for spring planting. The growth period from emergence to fresh ear harvest is approximately 75 days. The plant height reaches about 200 cm with an ear height of 70 cm. The leaves exhibit a deep green coloration and a spreading plant architecture. The variety demonstrates synchronized flowering. The husks are dark green with tight closure, and the flag leaf is distinct. It has a high yield potential, with single ear weight ranging from 440 to 500 grams. The ear is cylindrical, measuring approximately 19.8 cm in length and 5.0 cm in diameter, containing 16 to 18 rows of kernels. The kernels are arranged uniformly, displaying a yellow and white bicolor pattern.

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SC-47



Crop

Sweet Corn

Market Segment

Temperate yellow-white bicolor
super-sweet corn variety

Hybrid

Yes

Disease Resistance

Strong

Features

- Plant height is 177 cm
- Cylindrical in shape
- Kernels are yellow and white bicolor

Description

This variety has a growth period of approximately 70 days from emergence to harvest under temperate conditions. The plant height reaches 177 cm with an ear height of 50 cm. The foliage exhibits a deep green color and an open plant architecture. It demonstrates synchronized anthesis and silking, along with strong resistance to lodging and stalk breakage. The hybrid shows resistance to common rust but has moderate susceptibility to northern leaf blight and corn smut, and is prone to sheath blight infection. The husks are dark green, with tight husk wrap and prominent flag leaves. Yield potential is high, with an average ear weight of 520 g. The ear is cylindrical with a well-filled apex, essentially free from tip kernel abortion, measuring 20.5 cm in length and 5.6 cm in diameter, containing 16 to 18 rows of kernels arranged uniformly. Kernels exhibit bright coloration and superior eating quality.

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SC-67



Crop

Sweet Corn

Market Segment

Subtropical yellow-white bicolor
waxy corn

Hybrid

Yes

Disease Resistance

Strong

Features

- Plant height is 220 cm
- Cylindrical in shape
- Kernels are white

Description

This classical hybrid exhibits wide adaptability and very consistent performance across environments. It produces attractive, uniform ears characterized by straight kernel rows and good tip fill. The hybrid matures from early to mid-season and carries the wx+sh2 genotype. It features white kernels and reaches a plant height of approximately 220 cm, with ear placement at around 80 cm above the ground. The ears are tapered in shape, measuring 18 to 21 cm in length and 5.0 to 5.2 cm in diameter, containing 14 to 16 rows of kernels with an average kernel length of 1.1 cm. This hybrid demonstrates strong lodging resistance and robust disease resistance, making it well-suited for reliable production.

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SC-21



Crop

Waxy Corn

Market Segment

White waxy corn, **Subtropical**

Hybrid

Yes

Disease Resistance

Resistance to head smut, sheath blight, and southern corn leaf blight (*Bipolaris maydis*).

Features

- Plant height is 214 cm
- Cylindrical in shape
- Kernels are white

Description

The growth period from emergence to fresh ear harvest is 86.5 days. Seedlings exhibit purple coleoptiles, purple silks, purple anthers, and green husks. Plants show a semi-compact architecture, with an average plant height of 214 cm, ear height of 87 cm, and 19 leaves per plant at maturity. Ears are conical in shape, averaging 19.2 cm in length, with 14–16 kernel rows and white cobs. Kernels are white, waxy in texture, with an average fresh 100-kernel weight of 37.4 g.

The variety is susceptible to head smut (*Sphacelotheca reiliana*), sheath blight (*Rhizoctonia solani*), and southern corn leaf blight (*Bipolaris maydis*). Fresh ear quality evaluation scored 88.2 points, considering both appearance and cooking quality. Across two years of regional trials, the average fresh ear yield reached 900 kg per mu (≈ 13.5 t/ha).

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SC-36



Crop

Sweet Corn

Market Segment

Subtropical, White waxy corn

Hybrid

Yes

Disease Resistance

Strong

Features

- Plant height is 235 cm
- Cylindrical in shape
- Kernels are white
- Semi-compact plant

Description

This new hybrid features a high yield potential with a semi-compact plant type. It produces attractive, large ears characterized by straight kernel rows and good tip fill. The maturity is classified as mid-season. Genotypically, it carries wx+sh2 traits. The plant reaches a height of 235 cm, with ear placement at 80 cm. Ears measure 20 to 22 cm in length and 5.2 to 5.4 cm in diameter, exhibiting a taper-shaped form. Each ear contains 14 to 16 rows of kernels, with individual kernel length around 1.1 cm. The hybrid demonstrates strong lodging resistance and robust disease resistance.

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SC-100



Crop

Sweet Corn

Market Segment

Sweet Corn

Tropical

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 220 cm
- Cylindrical in shape
- Semi-compact plant
- Kernels are yellow color

Description

The plants are semi-compact, vigorous, and well-rooted, reaching about 220 cm in height with an ear height of 80 cm. Leaves are dark green; silks green; anthers yellow. Ears are cylindrical, 20.5 cm long, 5.8 cm in diameter, with 16–18 kernel rows and about 40 kernels per row. Average fresh ear weight 600 g, net weight 450 g, and kernel recovery rate 76%. Kernels are large, bright, and uniform, with high sweetness, tender texture, thin pericarp, and excellent flavor. Ears show good tip fill, tight husks, and green husk leaves with flag leaf. The Average yield: 1,230 kg/mu (≈ 18.45 t/ha).

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SC-125



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow and white, **Tropical**

Hybrid

Yes

Disease Resistance

Resistance to northern corn leaf blight disease, southern corn leaf blight disease, medium resistance to rhizoctonia banded leaf sheath blight disease and stalk rot disease.

Features

- Early maturity

Description

yellow and white bi-color sweet corn hybrid variety. Need 80 days to mature in spring while need 72 days in autumn. Between 200-230 cm in plant height, 80-100 cm in ear height. Spike long cylindrical panicle shape, beautiful ear type, high quality. 19-21cm long in panicle length, 16-22 rows and about 5.3cm in panicle diameter. Single fresh bud weight is about 500grams, can reach 600grams while providing excellent cultivation conditions.

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SC-075



Crop

Sweet Corn

Market Segment

Sweet Corn, yellow and white, **Tropical**

Hybrid

Yes

Disease Resistance

Medium resistance to rhizoctonia banded leaf and sheath blight and southern corn leaf blight disease

Features

- Early maturity

Description

F1 hybrid. 75 days in spring and 68 days in autumn. Good high yield, tube panicle type. Yellow and white kernels, thin skin, soluble sugar content between 30.81% to 32.64%, wide adaptability, thin skin, crisp and sweet taste, good quality.

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SC-01



Crop
Corn

Market Segment
Sweet corn

Hybrid
Yes

Disease Resistance
Good

Features
• Mid- early maturity

Description

During the milk stage, this sweet corn variety exhibits a thin pericarp, high moisture content, and a tender, crisp texture with a pronounced sweetness, making it suitable for raw consumption. The delicate pericarp breaks easily upon biting, releasing aromatic juice with a pleasant, refreshing flavor. It retains its sweetness and crispness when cooked, offering fruit-like palatability and considerable nutritional benefits.

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SC-023



Crop

Sweet Corn

Market Segment

Sweet Corn and yellow color,
tropical

Hybrid

Yes

Disease Resistance

High resistance to *northern corn leaf blight* and *moderate resistance to Curvularia leaf spot*.

Features

For fresh

Description

The plants reach a height of 185 cm, with an ear placement at 60 cm. Kernels are neatly arranged in 16–18 rows with good seed setting. The ears are moderately cylindrical, about 20 cm in length and approximately 5.4 cm in diameter, with yellow kernels and no tip blanking.

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SC-011



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Early maturity
- Semi-compact growth

Description

Early maturity, the growth cycle from germination to harvest is about 78 days. The plant is semi-compact growth, with a height of about 228 cm and an ear position of about 82 cm. The ear is medium-sized, 22-24 cm long and 5.2-5.4 cm in diameter, with 16-18 rows of kernels. The kernels are white, and the cob is also white. The starch content of the branches is 100%. The grains are white, of high quality, and the fruit clusters are uniform. The leaves are dark green, suitable for fresh consumption, quick freezing, and processing.

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SC-111



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Early maturity
- Semi-compact growth

Description

Early maturity, the growth cycle from germination to harvest is 72.9 days. The plant is semi-compact growth, with a height of about 207.1 cm, and an ear position of about 78.6cm. The ear length of 20.7 cm, ear diameter of 5.0 cm, with 16.5 rows of kernels and 35.1 kernels per row. The kernels are white, with white cobs and green silk. The starch content of the branch is 100%, with a deep green skin color. The variety is resistant to storage and transportation, produces large ears, matures early, has good adaptability, and is suitable for fresh consumption, quick-freezing, and processing.

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SC-103



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid maturity
- Semi-compact growth

Description

Mid maturity, the growth cycle from germination to harvest is about 85 days, black grain glutinous corn. The plant is semi-compact growth, with a height 233 cm, and an ear position of about 98 cm. The ear is long cylindrical type, 24 cm long and about 5.4 cm in diameter, with 14-16 rows of kernels, black grain, purple axis. Fresh fruit large ear, high nutrition, storage and transportation. Suitable for fresh consumption and quick freezing processing.

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SC-706



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid maturity
- Semi-compact growth

Description

Mid maturity, the growth cycle from germination to harvest is about 85 days, yellow grain glutinous corn. The plant is semi-compact growth, with a height of about 230 cm and an ear position of about 92 cm. The ear is long cylindrical type, 24 cm long and about 5.4 cm in diameter, with 14-16 rows of kernels, yellow grain, white axis, blue silk. Thin and tender skin, high quality and high yield, high ear formation rate. Suitable for fresh eating, quick freezing and processing.

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SC-205



Crop

Corn

Market Segment

Black grain sweet glutinous corn, waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid- early maturity
- Semi-compact growth

Description

Mid-early maturity, the growth cycle from germination to harvest is about 78 days, black grain sweet glutinous corn. The plant is semi-compact growth, with a height of about 220 cm and an ear position of about 85 cm. The ear is medium type, 20-22cm long and about 5.2 cm in diameter, with 14-16 rows of kernels, black grain, purple axis. The natural separation ratio of sweet and glutinous grains is 1:3, the skin is thin and tender, sticky and sweet with little residue. Suitable for fresh eating and vacuum processing.

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SC-891



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid maturity
- Compact growth

Description

Mid maturity, the growth cycle from germination to harvest is about 88 days, white grain glutinous corn. The plant is compact growth, with a height of about 258 cm and an ear position of about 105 cm. The ear is long cylindrical type, 25cm long and about 5.4 cm in diameter, with 14-16 rows of kernels, white grain, white axis, green silk. The skin is thin and tender, high quality and high yield, high density and high transport resistance, high ear formation rate. Suitable for fresh consumption, quick freezing and processing.

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SC-226



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid maturity
- Semi-compact growth

Description

Mid maturity, the growth cycle from germination to harvest is about 82 days, white grain glutinous corn. The plant is semi-compact growth, with a height of about 235 cm and an ear position of about 96 cm. The ear is long cylindrical type, 24 cm long and about 5.4 cm in diameter, with 14-16 rows of kernels, white grain, white axis, green silk. Fresh fruit has large ears, high quality and high yield. Suitable for fresh eating, quick freezing and processing.

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SC-709



Crop

Corn

Market Segment

Waxy corn

Hybrid

Yes

Disease Resistance

Good

Features

- Mid-early maturity
- Semi-compact growth

Description

Mid-early maturity, the growth cycle from germination to harvest is about 78 days, white grain sweet glutinous corn. The plant is semi-compact growth, with a height of about 213.2 cm and an ear position of about 84.2 cm. The ear is medium type, 19.4 cm long and about 5.1 cm in diameter, with 16.5 rows of kernels, 35.6 for each row. white grain, white axis, green silk. The natural separation ratio of sweet and glutinous grains is 1:3, the skin is thin and tender, sticky and sweet with little residue. Suitable for fresh eating, quick freezing and processing.

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SC-122



Crop

Sweet Corn

Market Segment

Sweet Corn and yellow, **tropical**

Hybrid

Yes

Disease Resistance

Medium resistance to rhizoctonia banded leaf and sheath blight and southern corn leaf blight disease

Features

- Mid-late maturity

Description

Mid-late maturity, the growth period of approximately 85 days. Plants reach a height of 235 cm with an ear placement at 82 cm and an average of 18 leaves per plant. The ears are cylindrical, measuring about 21 cm in length and 5.0–5.5 cm in diameter, with white cobs and 16 to 18 rows of yellow kernels. The kernels exhibit excellent quality and high sweetness, with a sugar content of 18.3%. Each ear weighs approximately 520.5 grams, and the average fresh ear yield reaches 1,224.5 kilograms per mu (approximately 18,368 kg per hectare).

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SC-188



Crop

Sweet Corn

Market Segment

Sweet Corn and yellow, **tropical**

Hybrid

Yes

Disease Resistance Good

Features

- Mid-late maturity

Description

Mid-late maturity, the growth period of approximately 88 days. The plants reach a height of 235 cm, with an ear height of 82 cm and a total of 18 leaves per plant. The ears are cylindrical, measuring 21 cm in length and 5.0–5.5 cm in diameter, with white cobs and 16–18 rows of yellow kernels. The kernels are of high quality and have a high sugar content, offering excellent sweetness. Each ear weighs about 520.5 grams, with an average fresh ear yield of 1,224.5 kilograms per mu (approximately 18,368 kilograms per hectare).

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SC-056



Crop
Corn

Market Segment
GM Corn

Hybrid
Yes

Features
Tolerance Genetically Modified
Hybrid Corn

Description

This transgenic hybrid confers high resistance to Asian corn borer across whorl leaves, silks, and kernels in both lab and field trials. It shows enhanced stalk resistance and tolerates up to 4× the standard glyphosate dose. Highly resistant to southern rust, Fusarium stalk rot, and northern leaf blight; moderately resistant to Fusarium ear rot and Curvularia leaf spot. The growth period from emergence to maturity averaged 109 days with Lodging rate≤0.9%

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SC-017



Crop
Corn

Market Segment
GM Corn

Hybrid
Yes

Features
Tolerance Genetically Modified
Hybrid Corn

Description

This hybrid offers high resistance to Asian corn borer, armyworm, and cotton bollworm in both lab and field tests. It also shows strong glyphosate tolerance (up to 4× standard dosage). It is highly resistant to Fusarium stalk rot, moderately resistant to northern leaf blight, Curvularia leaf spot, and Fusarium ear rot, but susceptible to common smut and southern rust. The growth period from emergence to maturity averaged 106.4 days with a lodging rate of only 0.5%.

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SC-035



Crop

Corn

Market Segment

GM Corn

Hybrid

Yes

Features

Genetically Modified Hybrid Corn

Description

This hybrid expresses high resistance to the Asian corn borer in laboratory assays (whorl leaves, silks, and kernels) and field evaluations (leaves and ears), with significantly improved stalk resistance compared to the control. It tolerates up to 4× the recommended glyphosate dosage. Disease resistance assessments show high resistance to stalk rot, moderate resistance to northern leaf blight and Fusarium ear rot, and high susceptibility to southern rust, Curvularia leaf spot, and common smut.

The growth period from emergence to maturity averaged 104 days. The hybrid exhibited high resistance to common smut, moderate resistance to northern leaf blight, stalk rot, and Curvularia leaf spot, and high susceptibility to southern rust. It showed no significant differences from the recipient variety in terms of growth duration, disease resistance, or lodging rate, with an average lodging and stem breakage rate of 1.6%.

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SC-MN



Crop

Thumb Corn (*Zea mays* L. var.)

Market Segment

Specialty Fresh Market

Hybrid

No

Disease Resistance

Good

Features

- Plant height is 100 cm
- Cylindrical in shape

Description

Thumb Corn (*Zea mays* L. var.) is an annual, erect herbaceous plant. It grows to about 100 cm in height and produces yellow, oval-shaped ears in just over three months, resembling a thumb and making it highly ornamental. The kernels are sweet, nutrient-rich, and suitable for fresh consumption. Germination is optimal at 20–25 °C, with seeds sown about 2 cm deep and seedlings emerging in 7–10 days. It can be sown in spring or summer, and also cultivated year-round in pots indoors. Thumb corn prefers fertile, well-drained soil, is sensitive to cold and intolerant of excessive heat, and grows best at 20–30 °C. The variety shows good yield stability and productivity.

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SC-5C



Crop

Waxy Corn

Market Segment

Waxy Corn

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 220 cm
- Cylindrical in shape
- Compact plant

Description

The plant has a compact growth habit, with light purple leaf sheaths in the seedling stage and yellow anthers. The time from germination to harvest of fresh ears is 78 days. The plant height is 220 cm, and the ear position is at 98 cm. The ears are cylindrical in shape, with an average ear length of 23 cm and a diameter of 5 cm. The ears have a white cob and are predominantly yellow and purple kernels. The kernels are thin-skinned, with no husk, and the eating quality is excellent.

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SC-6C



Crop

Waxy Corn

Market Segment

Waxy Corn

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 185-195 cm
- Cylindrical in shape
- Kernels are white color

Description

A white, medium-early maturing sweet corn hybrid, suitable for the North China region. From germination to harvest of fresh ears, it takes approximately 75 days in spring planting. The plant grows vigorously with a semi-compact habit, reaching a height of 185-195 cm and an ear position at 90 cm. The ears have 16 rows and a length of 23 cm, with a long cylindrical shape and no tips. The ears are uniform in size, with thin skins, aromatic, soft, sweet, and sticky kernels. They maintain their quality even after cooling and do not become tough. Suitable for fresh consumption or quick-freezing processing.

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SC-012



Crop

Waxy Corn

Market Segment

Waxy Corn

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 185-195 cm
- Cylindrical in shape
- Kernels are white color

Description

A white, medium-early maturing sweet corn hybrid, suitable for the North China region. From germination to harvest of fresh ears, it takes approximately 75 days in spring planting. The plant grows vigorously with a semi-compact habit, reaching a height of 185-195 cm and an ear position at 90 cm. The ears have 16 rows and a length of 23 cm, with a long cylindrical shape and no tips. The ears are uniform in size, with thin skins, aromatic, soft, sweet, and sticky kernels. They maintain their quality even after cooling and do not become tough. Suitable for fresh consumption or quick-freezing processing.

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SC-7C



Crop

Waxy Corn

Market Segment

Waxy Corn

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 253.4 cm
- Cylindrical in shape
- Kernels are black color
- Compact plant

Description

The growth period is approximately 78 days. The plant has a compact growth habit, with a height of around 235 cm and an ear position at 105 cm. The ears are long cylindrical in shape, measuring 22-23.5 cm in length and 5 cm in diameter, with 18 rows of kernels. The ear axis is purple, and the kernels are dark brown. The sweet-to-sticky ratio is 1:3. The ears have a sticky texture with no tips, and they are uniform in size. The fresh ears have thin skins, are aromatic, soft, and sweet, with a pleasant texture. They do not toughen after cooling. Suitable for fresh consumption or quick-freezing.

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SC-8C



Crop

Waxy Corn

Market Segment

Waxy Corn

Hybrid

Yes

Disease Resistance

Good

Features

- Plant height is 228 cm
- Cylindrical in shape

Description

A new early-maturing hybrid sweet and sticky corn variety with a purple-and-white striped kernel. The growth period from germination to harvest of fresh ears is 78 days. The plant height is 228 cm, with an ear position at 95 cm. The ears are long cylindrical in shape, uniform and neat, with bright kernels that are firm, tightly packed, and evenly arranged. The ear length is approximately 23-25 cm, with 18 rows of kernels. The cob is white, and the single ear weight is around 450-530 g. The sweet-to-sticky ratio is 1:3, with excellent stickiness and flavor. After steaming or boiling, the kernels are sweet, sticky, and delicious. The variety shows good resistance to both large and small spot diseases as well as to bacterial wilt.

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FC-847



Crop

Feed Corn

Market Segment

Feed Corn

Hybrid

Yes

Disease Resistance

Resistant to large spot disease, small spot disease, and common smut, highly resistant to maize dwarf mosaic virus (0 level), but susceptible to stalk rot (25% resistance)

Features

- Plant height is 246 cm
- Cylindrical in shape
- Compact plant

Description

The variety is mid maturity, with a growing period of about 125 days for spring planting and 96 days for summer planting. The seedling leaf sheaths are purple, with vigorous growth, a compact plant type, and a plant height of around 246 cm. The ear height is approximately 110 cm, with moderate branching of the male inflorescence, and a small angle between the branches and the main axis. The ear is cylindrical in shape. It exhibits a dual-sugar phenomenon, with a white ear axis. The ear length is 16.9 cm, with 14-16 rows of kernels, and around 35 kernels per row. It has good seed-setting with a light tip blanking. The kernels are yellow, semi-dent type, with a thousand-kernel weight of 307 grams and a seed germination rate of 88-90%.

The variety is resistant to lodging and more drought-tolerant. The kernel composition includes 9.33% crude protein, 3.98% crude fat, 73.02% crude starch, and 0.25% lysine.

The average yield 587.1 kg/mu (8,806.5 kg/ha≈ 3,563.7 kg/acre).

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