

**HM.CLAUSE
DAVIS FIELD DAY
2023 DAVIS, CA**



HM • CLAUSE

Welcome to the HM.CLAUSE 2023 Davis Field Day. On display this year are exciting new products from our strong development pipeline. Featured species include: Tomato, processing tomato, pepper, melon, watermelon, squash, bean, tomatillo, sweet corn, and pumpkin. Our technical team of experts will be guiding you throughout this event so don't miss the opportunity to learn about our innovative portfolio and new varieties, share your thoughts, ideas and experiences, and discuss your expectations for the upcoming season. Our goal is to provide the best, locally adapted products for every corner of the world, and these products are the result of collaboration with markets and customers like you!

We also invite you to join us at hmclausefielddays.com to explore our rich lineup of new products online. The site features detailed product information, photographs and videos for hundreds of products planted in our trials. New videos will be posted throughout the event!

Andres Trillo
HM.CLAUSE Vice President
AMPA Region



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This year's field book highlights a snapshot of our newest featured products. For our entire product lineup please visit: hmclausefielddays.com



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WELCOME TO VIRTUAL FIELD DAYS

We are passionate about developing vegetable varieties that satisfy our customers' needs and preferences. This Virtual Field Day is customized to meet your expectations and we're excited to show you our rich lineup of new world-class varieties.

We're happy to have connected with you one-on-one at our 2023 Field Day. You can now take your field day experience home with you by visiting our Field Day Website where you can navigate our 2023 lineup and access videos of our team walking you through our most promising upcoming varieties remotely.

ALL PRODUCTS

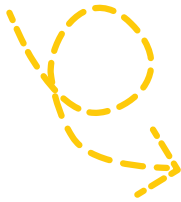
As a global company passionate about our customers' success and the future of our industry, we're honored by your continued partnership and support.





Our watermelons deliver big yields and even bigger flavor.

HM.CLAUSE is focused on bringing you the best eating quality and adaptability for watermelon and has worked year after year with growers to deliver a consistent product to the market. With increasingly difficult growing conditions, we're focused on improving profitability for growers. See what our varieties can do for you!



Watermelon | Diploid

EXPLORER (HMX63D6472)

"Explorer is a new watermelon variety for HM.CLAUSE that's similar to our other variety, Crescendo but with an elongated shape. It has a very similar flavor profile that lasts on your tongue and makes you want more."

-Joh Glenapp

FEATURES

- Elongated shape with a length to width ratio of 1.5 up to 1.7
- All sweet rind pattern with a light stripe
- Nice firm flesh with nice black seeds
- Juicy flesh, not much fiber, nice eating variety

Relative Maturity:	Mid Season
Plant Vigor:	Medium
Fruit Shape:	Elongated
Fruit Weight:	12-14 kg
Rind Color:	Classic All Sweet
Fruit Color:	Red



PHOTOS



This Guide is Interactive!

To view our field book online scan the QR code or visit hmclausefielddays.com.





County Road 104 | Mace Blvd.

Pumpkin — first & second planting

Watermelon — first planting

Watermelon — second planting

Melon — first planting

Melon — second planting

Tomatillo — first planting
Bean — first planting

Corn — first & second planting

Squash — first planting

Squash — second planting



County Road 104 | Mace Blvd.

Tomato — first planting

Tomato — first planting

Sweet Pepper — first planting

Hot Pepper — first planting

Hot Pepper — second planting

Sweet Pepper — second planting

Processing Tomato — first planting

Processing Tomato — first planting

By accepting this HM.CLAUSE, INC.'s (HMC) Field Day Guide and any other Field Day written materials, you as the recipient agree that these materials cannot be used, reproduced, or disclosed, in whole or in part, under any circumstances without the express written permission of HMC.

These materials include confidential information about new HMC varieties/products, including HMX and other coded varieties, that are proprietary and currently experimental and **NOT FOR SALE**.

Data and Disease Ratings found in the materials are an average of results from various tests. It is not a prediction of future performance, but a summary of past results. Actual performance will vary depending on the actual environment, pathogen strain, and management conditions in your field.

HMC's Limitation of Warranty and Liability and Use restriction is a condition of purchase of all HMC seed. To preview the Limitation of Warranty and Liability and Use Restriction, please visit the HM.CLAUSE, INC. website found at www.hmclause.com or call for more information.

The background is a dense, colorful collage of autumn-themed elements. It includes several pumpkins in shades of orange and yellow, some with green stems. There are also various shapes representing pumpkin seeds and slices, some in light beige and others in darker brown tones. The overall composition is warm and festive, with a focus on the textures and colors of fall harvest. The word "Pumpkin" is centered in a clean, white, sans-serif font.

Pumpkin

Table of Contents – Pumpkin

PUMPKIN – LARGE

ADONIS	12
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View our entire Field Day Pipeline!

Scan any QR code in this guide with your camera app on your phone to view more photos, watch informative videos and learn how our varieties can make your next harvest even more successful!



Field Map – Pumpkin

Mace Blvd.

FIRST PLANTING SECOND PLANTING

KRATOS	KRATOS
OLYMPUS	OLYMPUS
ADONIS	ADONIS
POPCORN	POPCORN
FIREBALL	FIREBALL
GRIFFIN	GRIFFIN
LEMONADE	LEMONADE
ZEUS	ZEUS
HERMES	HERMES
MISCHIEF	MISCHIEF
LIL-PUMP-KE-MON	LIL-PUMP-KE-MON
PIXIE	PIXIE



Pumpkin –Large

FEATURED PRODUCT



OLYMPUS

“Olympus has superior consistency in terms of fruit set, color, and shape. The large round fruit are a solid dark orange color, and the variety has performed well from coast to coast. We’re confident that Olympus will serve our customers well for years to come.”

—Emily Kwok, *Product Manager - Pumpkin*

FEATURES:

- Consistent fruit set and yield for a reliable crop
- Strong vine for a crop well adapted to multiple growing areas
- Thick, strong, firmly attached Harris Moran handle



RELATIVE MATURITY: Late

HEIGHT: 12in

DIAMETER: 14in

WEIGHT: 25-35lbs

SHAPE: Flattened round

COLOR: Medium orange

DISEASE RESISTANCE:

IR Px

Pumpkin –Large

FEATURED PRODUCT



ADONIS

“This barrel shaped tall pumpkin is the tallest in our range with consistent yields and a robust vine. The fruit boasts a rich dark orange rind with thick firmly attached green handles. The name Adonis was inspired by the fruit’s meaty shoulders and tall shape.”

—Emily Kwok, *Product Manager - Pumpkin*

FEATURES:

- Large, firmly attached handle, perfect for picking
- Strong vine for optimal fruit health
- High yield potential
- Large, barrel shaped, medium-ribbed fruit that is perfect for carving



RELATIVE MATURITY: Main

HEIGHT: 14-15 in

DIAMETER: 13-14 in

WEIGHT: 25-40 lbs

SHAPE: Barrel

COLOR: Medium orange

DISEASE RESISTANCE:

IR Px

Pumpkin –Large

FEATURED PRODUCT



GRIFFIN

"Griffin is a high yielding, beautiful, large, and upright jack-o'-lantern pumpkin. It has great color and uniformity for any holiday decoration."

—Emily Kwok, *Product Manager - Pumpkin*

FEATURES:

- Big, bold, and tall jack-o'-lantern pumpkin that adds vertical interest to your display.
- Carry Griffin with ease thanks to its thick dark green handle
- Fruit with smooth and glossy rind that has a timeless appeal



RELATIVE MATURITY: Main

WEIGHT: 14-40 lbs

HEIGHT: 15-18 in

SHAPE: Tall

DIAMETER: 11-13 in

COLOR: Orange

DISEASE RESISTANCE:

IR Px

NOTES: _____

A stylized, abstract illustration of watermelons and slices. The background is a solid light purple. There are several watermelon slices in red with black seeds and green rinds. Some slices are whole, while others are cut into wedges. There are also green watermelon stems and leaves scattered around. A large, stylized white letter 'W' is in the center, with a pink outline and a small pink squiggle on its right side. The word 'Watermelon' is written in white, sans-serif font across the middle of the image, overlapping the 'W' and the watermelon slices.

Watermelon

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View our entire Field Day Pipeline!

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Field Map – Watermelon

Mace Blvd.

FIRST PLANTING

FASCINATION	FASCINATION	FASCINATION		
			EXPLORER	EXPLORER
			HMX63D7473	HMX63D7473
HMC633800	HMC633800	HMC633800		
ELEANOR	ELEANOR	ELEANOR	MARINEER	MARINEER

Mace Blvd.

SECOND PLANTING

FASCINATION	FASCINATION	FASCINATION		
			EXPLORER	EXPLORER
			HMX63D7473	HMX63D7473
HMC633800	HMC633800	HMC633800		
ELEANOR	ELEANOR	ELEANOR	MARINEER	MARINEER



Watermelon –Diploid

FEATURED PRODUCT



EXPLORER

“Explorer is a new large elongated late season watermelon for HM.CLAUSE that has that classic allsweet skin pattern and a flavor profile that makes you want more.”

—Jon Gienapp, *Product Manager - Watermelon*

FEATURES:

- Elongated shape with a length to width ratio of 1.5 up to 1.7
- All sweet rind pattern with a light stripe
- Nice firm flesh with nice black seeds
- Juicy flesh, not much fiber, nice eating variety



RELATIVE MATURITY: Mid Season to late

FRUIT WEIGHT: 12-14 kg (26-30 Lbs.)

PLANT VIGOR Medium

RIND COLOR: Classic All Sweet

FRUIT SHAPE: Elongated

Watermelon –Diploid

FEATURED PRODUCT



MARINEER

“Large Round Diploid Crimson sweet with dark red internal flesh, small black seeds, and firm flesh as well as Fusarium O,1 and Anthracnose 1 resistance.”

—Jon Gienapp, *Product Manager - Watermelon*

FEATURES:

- Large round mid to early maturing Diploid Crimson sweet with dark red flesh
- Firm flesh with small black seeds and tight seed cavities
- Early maturing with very high yield
- Improved disease resistance



RELATIVE MATURITY: Mid to early season

FRUIT WEIGHT: 9-11 Kg (20-25 lbs.)

PLANT VIGOR: Medium

RIND COLOR: Medium Dark

FRUIT SHAPE: Round

Crimson Sweet

DISEASE RESISTANCE:

IR Co:1 | Fon:0,1

Watermelon—Diploid



HMC632432



- Elongated very early maturing crimson sweet watermelon ideal for the southern europe regions where grafting is the standard practice
- A beautiful combination of very dark rind color and very dark flesh color gives this vareity a very regal and fresh appearance
- Small black seeds with tight seed cavities as well as firm flesh



ANIMA (HMX63D7473)



- Diploid Crimson Sweet with deep red flesh and uniform rind thickness
- Mid maturing fruit with a slightly elongated shape and extra large fruit sizes are ideal for the large fruit-ed markets in Eastern Europe and the Middle East
- Average fruit weight of 10 kgs but can get to 14-15 kgs when grafted

DISEASE RESISTANCE:

IR Fon:0,1

NOTES:

Watermelon – Triploid

FEATURED PRODUCT



ELEANOR (HMC633802)

"Nice mix of 36 and 45 count crimson sweet fruit with a unique medium dark rind. The combination of high Fusarium resistance, high Brix, and stress tolerance (low cracking and hard seed coats) gives this variety a unique advantage in the market."

—Jon Gienapp, *Product Manager - Watermelon*

FEATURES:

- Early to mid-maturing seedless variety (82 days estimated)
- Very high yield potential with its high number of fruit per plant and overall size
- High resistance to fusarium race 0 and 1 as well as anthracnose
- High stress tolerance with low cracking and hard seed coats compared to the industry standards
- High Brix and deep red flesh color add to the extremely nice eating quality



RELATIVE MATURITY: Mid to Early (82 Days) **FRUIT WEIGHT:** 7-8 kg (15-19 lbs.)

PLANT VIGOR Medium

RIND COLOR: Medium Dark

FRUIT SHAPE: Blocky

Crimson Sweet

DISEASE RESISTANCE:

Watermelon – Triploid

FEATURED PRODUCT



HMC633800

“Mainly 36 count 3N crimson sweet fruit with very high yield early Brix and excellent internal quality.”

—Jon Gienapp, *Product Manager - Watermelon*

FEATURES:

- Early to mid maturing seedless variety (82 days estimated)
- Large blocky fruit, mainly 36-count with a classic Crimson Rind pattern
- High uniformity with a firm deep red flesh
- Improved disease resistance with intermediate Fusarium race



RELATIVE MATURITY: Mid to Early (82 days) **FRUIT WEIGHT:** 8-9 Kg (16-20 lbs.)

PLANT VIGOR: Medium

RIND COLOR: Light Crimson Sweet

FRUIT SHAPE: Blocky

DISEASE RESISTANCE:

IR Co:1 | Fon:0,1

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Melon

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View our entire Field Day Pipeline!

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Field Map – Melon

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			BRONCO	
DEPUTY			CRUISER	
	FRANKIE	SUMMER DEW		LARIAT
MEGAPAC	KARAMEZA	JADEITE	EXPEDITION	
	PACAYA	VERDITE	PITAYO	
PRIME PAC	TACANA	HMC460061		SUN PAC
HMC454080			ORIGAMI	
	FRANKIE		CRUISER	
	DEPUTY		BRONCO	

Mace Blvd.

		JADEITE	LARIAT	
DEPUTY		VERDITE	SUN PAC	
	FRANKIE		ORIGAMI	
MEGAPAC	KARAMEZA	HMC460061		SUN PAC
	PACAYA	VERDITE	PITAYO	
PRIME PAC	TACANA	JADEITE	EXPEDITION	
HMC454080		SUMMER DEW		LARIAT
	FRANKIE		CRUISER	
	DEPUTY		BRONCO	



- FIRST PLANTING
- SECOND PLANTING

Melon –Honeydew

FEATURED PRODUCT



VERDITE (HMC460056)

“A smooth honey dew with good ship-ability, high yield and fruit uniformity.”

—Jose Narvaez, *Product Manager - Melon*

FEATURES:

- Produces mainly size 6's
- Very smooth exterior
- Highly uniform set
- High shipping potential/hard shell



RELATIVE MATURITY: Main

FRUIT SHAPE: Round oval

FRUIT SIZE: 5's and 6's

FLESH COLOR: Green flesh

DISEASE RESISTANCE:

HR Fom:0,2 | Fom:0,1

IR Px:1,2

Melon –Honeydew

FEATURED PRODUCT



JADEITE (HMC460066)

“Jadeite is an Early maturity Honey Dew, with really smooth exterior, high Brix and excellent taste for cool to warm conditions, well adapted to main melon growing areas.”

—Jose Narvaez, *Product Manager, Melon*

FEATURES:

- Early maturing Honeydew
- Smooth exterior
- High Brix and excellent taste for cool to warm conditions
- Well adapted to main melon growing areas



RELATIVE MATURITY: Early

FRUIT SIZE: Mainly 5's

FRUIT SHAPE: Round

FLESH COLOR: Green

DISEASE RESISTANCE:

HR Fom:0,1,2

IR Px:1,2

Melon —LSL

FEATURED PRODUCT



DEPUTY

“Deputy is a main season hybrid cantaloupe melon designed for the Central Valley of California. It produces mainly 9’s and has very uniform fruit and deep orange internal color.”

—Leonard Jones, *Sales Manager USA West*

FEATURES:

- High yields for more profit
- Mainly size 9s
- Good internal quality
- Concentrated set



RELATIVE MATURITY: Main

FRUIT SHAPE: Round to slight oval

FRUIT SIZE: 9’s

FLESH COLOR: Orange

DISEASE RESISTANCE:

HR Fom:0,2|Ag

IR Px:1,2,S

NOTES: _____

A vibrant illustration of tomatillos on a purple background. Several green tomatillos of various sizes are scattered around, some with white outlines. Yellow star-shaped tomatillo husks are also present. A central white banner with a scalloped edge contains the word 'Tomatillo' in white text. Orange seed-like shapes are scattered throughout the composition.

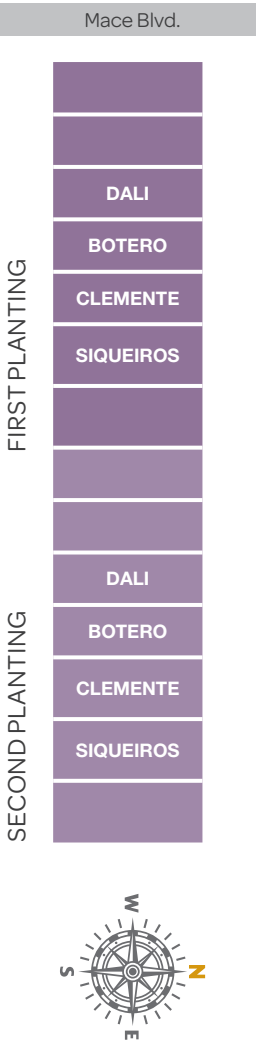
Tomatillo

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TOMATILLO – VERDE

CLEMENTE 35

Field Map



View our entire Field Day Pipeline!

Scan any QR code in this guide with your camera app on your phone to view more photos, watch informative videos and learn how our varieties can make your next harvest even more successful!



Tomatillo—Verde

FEATURED PRODUCT



CLEMENTE

“Clemente is the most innovative tomatillo on the market today! It features easy de-husking capabilities with unique mechanical harvesting potential.”

—Enrique Severeyn, *Product Manager, Tomatillo*

FEATURES:

- Easy de-husking capabilities - unique mechanical harvesting potential
- Extreme early maturity
- Concentrated fruit setting
- High yield with quality fruits
- Excellent plant vigor and cover



RELATIVE MATURITY: Extremely Early -
49 Days

FRUIT COLOR: Green

FRUIT SIZE: XL predominantly

APPLICATIONS: Sauce -
mechanical and hand harvest

DISEASE RESISTANCE:

HR	N/A
IR	N/A

NOTES: _____

A stylized, abstract illustration featuring green beans and white flowers. The beans are depicted in various shades of green, some with white outlines, and are arranged vertically. The flowers are white with yellow centers and green outlines. The background is a light teal color. In the center, the word "Bean" is written in a white, sans-serif font, overlaid on a semi-transparent circular shape.

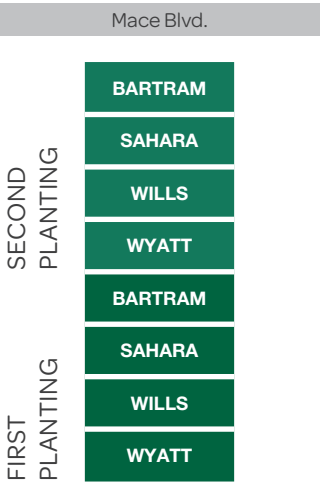
Bean

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Field Map



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Bean —3-4 Medium

FEATURED PRODUCT



BARTRAM

“We have heard positive responses about the yields, good heat set and quality of Bartram from key growers.”

—Mark Butler, *Product Manager - Bean*

FEATURES:

- This promising new variety appears to be widely adapted
- Upright plant with consistent yield
- Indications of quality pods and good disease resistance
- Will work through main season plantings and can handle hot and humid climates



RELATIVE MATURITY: 56 days

PLANT HABIT: Upright

POD POSITION: Mid-high

POD LENGTH: 5.5 inch

POD COLOR: Medium Dark

SIEVE SIZE: 4 Sieve Fresh Market

DISEASE RESISTANCE:

HR Ua | BCMV | BCTV

Bean —4-5 Large

FEATURED PRODUCT



WILLS

“With an excellent upright plant architecture, Wills works in hotter planting slots, a concentrated set, and high yields of dark straight pods. It has earliness and smooth pod quality, making it attractive to consumers.”

—Mark Butler, *Product Manager - Bean*

FEATURES:

- An excellent upright plant architecture
- Appears to work well in hotter planting slots
- Yields dark straight pods and has some earliness
- Smoothness and quality make it attractive



RELATIVE MATURITY: 55 days

PLANT HABIT: Upright

POD POSITION: Mid

POD LENGTH: 5.5 inch

POD COLOR: Dark

SIEVE SIZE: 4 Sieve Fresh Market

DISEASE RESISTANCE:

HR Pss | CI | BCMV | BCTV

NOTES: _____



A stylized, abstract illustration featuring two corn cobs. The cob on the left is light yellow with small brown dots, while the one on the right is bright yellow with white dots. They are set against a light blue background with scattered yellow and orange shapes, some resembling kernels or leaves. A large, dark green, curved shape, possibly a leaf or a stylized 'C', frames the central text. The overall style is modern and graphic, with clean lines and a limited color palette.

Sweet Corn

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Field Map – Sweet Corn

Mace Blvd.

FIRST PLANTING

RAQUEL	RAQUEL
ROSIE	ROSIE
HMC591104	HMC591104
KATE	KATE
CUMBERLAND	CUMBERLAND
COASTAL	COASTAL
FLAGLER	FLAGLER
NATALIE	NATALIE
NICOLE	NICOLE
CORONADO	CORONADO
HMC590201	HMC590201
PLACER	PLACER

SECOND PLANTING

RAQUEL	RAQUEL
ROSIE	ROSIE
HMC591104	HMC591104
KATE	KATE
CUMBERLAND	CUMBERLAND
COASTAL	COASTAL
FLAGLER	FLAGLER
NATALIE	NATALIE
NICOLE	NICOLE
CORONADO	CORONADO
HMC590201	HMC590201
PLACER	PLACER



Sweet Corn—SH2 Bicolor



HMC591104



- Glossy, full kernels for attractive presentation
- Excellent tip fill
- Strong, beautiful plant with excellent field holding ability
- Superior eating quality

DISEASE RESISTANCE:

HR Ps(Rp1-GFJ)

NOTES: _____

Sweet Corn—SH2 White

FEATURED PRODUCT



HMC590201

"HMC590201 is a variety that provides a consistently high quality crop for reliable pack outs with a strong plant and great eating quality in the segment."

—Kristin Barrall, *Technical Sales Representative - Northeast USA*

FEATURES:

- Consistently nice husk package with great flag leaves
- Straight rows and great tip fill for a nice ear package
- Great eating quality
- Consistent producer



RELATIVE MATURITY: 77 days

ROW COUNT: 16-18

ENDOSPERM: SH2

COLOR: White

EAR LENGTH: 7.75 - 8.25 in

DISEASE RESISTANCE:

HR Ps (RpG)

NOTES: _____



Squash

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Field Map – Squash

Mace Blvd.

FIRST PLANTING

HMC24567	HMC24902	YELLOW QUEEN
EL GRECO	HMC24939	
HMC24915	HMC24717	
ADMIRATION	PASSION	MACARIA

Mace Blvd.

SECOND PLANTING

HMC24567	HMC24902	YELLOW QUEEN
EL GRECO	HMC24939	
HMC24915	HMC24717	
ADMIRATION	PASSION	MACARIA



Squash –Green

FEATURED PRODUCT



ADMIRATION

“Admiration is a high yielding dark green Zucchini that has extremely nice fruit quality and you can’t help but admire the very strong Poty virus resistance on the fruit and plant.”

—Jon Gienapp, *Product Manager - Squash*

FEATURES:

- Nice dark green uniform fruit quality
- Very high Poty virus resistance on fruit and plant
- High yield, higher than Prestige
- Vigorous, upright semi open plant that is very adaptable



RELATIVE MATURITY: Mid season

PLANT HABIT: Upright

PLANT VIGOR: Strong

FRUIT LENGTH: Medium

FRUIT SHAPE: Cylindrical

EXTERIOR COLOR: Dark green

DISEASE RESISTANCE:

IR Px | PRSV | WMV | ZYMV

Squash—Green



HMC24567



- High yielding green zucchini with a very strong upright and open plant
- Green fruit with slight fleck ideal for the USA market
- Plant allows for fast harvest with ease of sight of mature fruit to cut down on harvesting costs

DISEASE RESISTANCE:

IR PX | PRSV | WMV | ZYMV



HMC24902



- Green zucchini with beautiful cylindrical fruit
- Great ability to hold its shape in the heat
- Open, upright plant for easy picking

DISEASE RESISTANCE:

IR PX | PRSV | WMV | ZYMV



HMC24939



- Excellent cylindrical shape in the heat
- Well adapted to the mid season/ heat setting windows in the USA
- High yield
- Good medium upright open plant

DISEASE RESISTANCE:

IR Px | ZYMV

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.



Fresh Market Tomato

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SALADETTE

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Field Map – Fresh Market Tomato

Mace Blvd.

FIRST PLANTING

				VIVIENNE
				RED CORAL
				DAVINCI
				CORCEL
HM12595				AZABACHE
HM12579				
HM2194				
VIVIENNE				NATIVO R
				MATACO
MATACO	NATIVO R	TEMIBLE	ATREVIDO	
	HM2194	HM12579	HM12595	ATREVIDO
				TEMIBLE
			TRINITY	PONY EXPRESS

Mace Blvd.

SECOND PLANTING

VIVIENNE				
RED CORAL				
DAVINCI				
CORCEL				
AZABACHE	HM12595			
	HM12579			
	HM2194			
NATIVO R	VIVIENNE			
MATACO				
	MATACO	NATIVO R	TEMIBLE	ATREVIDO
ATREVIDO		HM2194	HM12579	HM12595
TEMIBLE				
PONY EXPRESS				TRINITY



Fresh Market Tomato –Saladette

FEATURED PRODUCT



CORCEL (HMC610034)

“Corcel is a new variety that stands out because of its high marketable yield, excellent post-harvest, and plant healthiness. Growers and buyers value the large and uniform fruits that this variety produced throughout the cycle.”

— Oswaldo Varela, *PD Export Markets Central America*

FEATURES:

- High marketable yield through consistent fruit uniformity
- Excellent firmness and post-harvest quality
- Good plant healthiness and adaptability



MATURITY: Intermediate

FRUIT SIZE: Large

FRUIT SHAPE: Elongated Saladette

FRUIT COLOR: Red

DISEASE RESISTANCE:

HR Fol:1,2 | Va:1 | Vd:1 | Pst | ToMV 0,1,2

IR TYLCV | Ma | Mi | Mj

Fresh Market Tomato –Saladette

FEATURED PRODUCT



AZABACHE (HMC610098)

“HMC610098 is a new variety for the extra elongated segment that offers growers a value-adding mix of qualities with a strong and healthy plant, high yield potential, and fruit quality. Important to highlight its setting ability, producing large fruits until the end of the cycle, with uniform color turning and excellent post-harvest, critical for long distance transportation.”

— Oswaldo Varela, *PD Export Markets Central America*

FEATURES:

- Strong healthy plant
- Maintains fruit size and uniformity
- Excellent firmness and post-harvest quality



MATURITY: Intermediate

FRUIT SIZE: Large

FRUIT SHAPE: Extra Elongated Saladette

FRUIT COLOR: Red

DISEASE RESISTANCE:

HR Fol:1,2 | Va:1 | Vd:1 | Pst | ToMV 0,1,2

IR TYLCV | Ma | Mi | Mj

Fresh Market Tomato –Saladette

FEATURED PRODUCT



MATACO

“With Mataco, growers have found a solid option for the early segment where TYLCV resistance is needed. It gives them a strong plant, high yield with large fruit size, and attractive dark red color”

— Ricardo Lopez Carletto, *Product development*, NOA

FEATURES:

- Very large fruit sizes
- High yield for more profit
- Extended set
- Great fruit quality, uniform, with great shelf life



MATURITY: Early

FRUIT SIZE: Large

FRUIT SHAPE: Elongated Saladette

FRUIT COLOR: Dark red

DISEASE RESISTANCE:

HR Fol:1,2,3 | Va:1 | Vd:1

IR TSWV:TO | TYLCV



Thrilled for tomato



Global Leaders in Fresh Market Tomato

HM.CLAUSE is a global market-leader when it comes to breeding, developing and marketing fresh market tomato varieties. Our innovative varieties continue to push the envelope when it comes to all agronomic traits that matter most to growers including yield, disease resistance, texture, and flavor. Visit us at hmclause.com to find out more about why we're Thrilled for Tomato!

www.hmclause.com



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

A stylized, flat-design illustration of green peppers and pepper seeds. The background is a solid light pink. Several green peppers are depicted in various orientations: some whole, some sliced open to show the internal seeds and membranes. The peppers are rendered in shades of green, from a vibrant lime green to a darker forest green. Scattered throughout the background are numerous small, yellow and white pepper seeds. A large, semi-transparent white circle is centered in the image, with the word "Pepper" written in a clean, white, sans-serif font across its middle.

Pepper

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Field Map – Pepper

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SECOND PLANTING

HMC521300*	HM 0414	P115		
HMC521301			PACE 105	
			HM 8310	
	SICALIS	HM 4260	HMX52J1084	
CARIBE REAL	CANARIO REAL	MARQUES	HM 1226	ALLIANCE
JASSPER		MEZQUITE		SPRINGBOK
HM 3801			UNIQUE	MECATE
	SERRANO REAL	SEQUOIA	OLMECA	REVOLUTION
	CADEREYTA	TECA	OLMECA	CAPTAIN
CHILE G76	ARANDAS	PAROTA	ORIZABA	AVERY
HM 9654		HMX52A2012	MIXTECO	HEMI
			DANTE	CURRIER

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FIRST PLANTING

		P115	HM 0414	HMC521300*
	PACE 105			HMC521301
	HM 8310			
	HMX52J1084	HM 4260	SICALIS	
ALLIANCE	HM 1226	MARQUES	CANARIO REAL	CARIBE REAL
SPRINGBOK		MEZQUITE		JASSPER
MECATE	UNIQUE			HM 3801
REVOLUTION	OLMECA	SEQUOIA	SERRANO REAL	HMC521102
CAPTAIN	OLMECA	TECA	CADEREYTA	
AVERY	ORIZABA	PAROTA	ARANDAS	CHILE G76
HEMI	MIXTECO	HMX52A2012		HM 9654
CURRIER	DANTE			



Hot Pepper—Anaheim



HM 3801



- Smooth and concentrated fruit set designed for the processing market
- Early maturing high quality fruit
- Remarkable uniformity in shape and size
- Ideal and attractive fruit wall thickness for food service (slicer)
- Predominantly extra-large to large fruit size

DISEASE RESISTANCE:

HR Tm:O (ToMV, TMV, PMMoV)

IR TSWV:PO

NOTES:

Hot Pepper—Ancho



PAROTA (HMX52A0001)



- High adaptable especially for areas with high humidity weather conditions
- Extended fruit setting provides high marketable yield through multiple harvests
- Predominantly XL to large fruit size
- Notable shape uniformity & smooth shine green fruit color
- Thicker fruit walls, for heavier fruits, essential for the fresh market, from yield, transportation, and shelf-life perspectives

NOTES:

[illegible]

Hot Pepper –Ancho

FEATURED PRODUCT



TECA (HMX52A2015)

“This red Ancho-Poblano provides excellent fruit quality and size ideal for the fresh market. It offers high marketable yields insured with TSWV disease resistances, designed for the main season.”

—Enrique Severeyn, *Product Manager - Hot Pepper*

FEATURES:

- Fit for both protective and open field production markets
- High marketable yield, fruit size, and remarkable smooth and shiny green fruit
- Concentrated fruit setting with intermediate maturity
- Predominantly XL to large fruit size, through multiple harvests in the season



RELATIVE MATURITY: Intermediate

HEAT: 1500- 1800 SHU

FRUIT SIZE: XL to large

APPLICATION: Fresh Market

FRUIT COLOR: Green to red

DISEASE RESISTANCE:

IR TSWV:PO

Hot Pepper—Banana Hot



SICALIS (HMX52B0347)



- Early to Intermediate maturity
- Excellent fruit quality with consistent fruit uniformity in shape and size
- Provides an alternative to the operational activities due to the fact it does not ripen as quickly on the plant after the first harvest
- Predominantly XL to Large straight fruits
- Thicker fruit walls, for heavier fruits, essential for the fresh market, providing improved shelf life

DISEASE RESISTANCE:

HR Xcv:1,2,3 | Tm:0 (ToMV, TMV, PMMoV)

NOTES: _____

Hot Pepper – Jalapeño Hot

FEATURED PRODUCT



OLMECA (HMX52J0095)

“This new generation fresh market Jalapeño provides Xcv:1,2,3,4,5 resistances and produce High Marketable Yield, remarkable smooth fruit & size with thin walls.”

—Enrique Severeyn, *Product Manager - Hot Pepper*

FEATURES:

- Superior disease resistance package with BLS 1-5
- High marketable yield, fruit size, with remarkably smooth fruit
- Thicker fruit walls providing heavy fruit
- Improved low purpling associated with Anthocyanin under cold night pressure
- 5-7 days earlier maturity than the leading variety



RELATIVE MATURITY: Intermediate

HEAT: 2500 - 3000 SHU

FRUIT SIZE: XL to large

APPLICATION: Fresh Market

FRUIT COLOR: Green to red

DISEASE RESISTANCE:

HR Xcv:1,2,3,4,5

Hot Pepper – Jalapeño Processing

FEATURED PRODUCT



HM 1226 (HMX52J1226)

“A slicer hot Jalapeno with excellent uniformity and yield with a multi-disease resistances package offer for the processing industry.”

—Enrique Severeyn, *Product Manager - Hot Pepper*

FEATURES:

- Well adapted performance in areas where other varieties can't build the plant required to maximize yield
- Excellent fruit uniformity, elongated shape and size ideal for the slicing industry
- High marketable yield, and very smooth fruit with a bullet point shape to maximize slicing capabilities
- Thicker fruit walls providing attractive final slice product



RELATIVE MATURITY: Early to intermediate

HEAT: 2,000-2,500 SHU

FRUIT SIZE: XL to large

APPLICATION: Processing

FRUIT COLOR: Green to red

market - Slicer

DISEASE RESISTANCE:

HR Tm:0 (TMV, ToMV, PMMoV) | Xcv:1,2,3

IR CMV

Hot Pepper – Jalapeño Processing

FEATURED PRODUCT



ARANDAS (HMC521904)

“This remarkable smooth classic Serrano offers a traditional aroma, flavor, high pungency, and light green color fruit with early maturity for the traditional domestic serrano market”

—Enrique Severeyn, *Product Manager - Hot Pepper*

FEATURES:

- Early maturity with continuous fruit setting throughout the season
- Traditional high pungency of a serrano
- Attractive fruit size, predominantly XL to large with excellent fruit uniformity and elongated straight fruit profile
- High adaptability for the main season with high marketable yield
- Light green color fruit with excellent aroma and flavor



RELATIVE MATURITY: Early

HEAT: 10,000-11,000 SHU

FRUIT SIZE: XL to large

APPLICATION: Fresh Market
domestic

FRUIT COLOR: Light green

DISEASE RESISTANCE:

HR Xcv:1,2,3

Hot Pepper—Others



JASSPER (22100140)



- Hot cherry type with early to Intermediate maturity
- Excellent fruit quality with consistent fruit uniformity in shape and size
- Adequate plant vigor with excellent cover
- Consistent marketable yield through multiple harvests

DISEASE RESISTANCE:

HR Tm:0



CARIBE REAL (HMX52C3796)



- Fit for both protective and open field production markets
- Extended fruit setting with early maturity and vivid yellow fruit color
- High marketable yield, remarkable uniformity in fruit shape and in fruit size
- Predominantly Large fruit size, through multiple harvests

DISEASE RESISTANCE:

HR Xcv: 1,2,3

NOTES:

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings present.

Sweet Pepper –Blocky

FEATURED PRODUCT



CAPTAIN

“Captain is one of our newest launches with exceptional dark green blocky fruits with nice quality and uniformity. The variety offers healthy plants with Bacteria Leaf Spot 1-10 and Phytophthora tolerance.”

—Steven Valdez, *Technical Sales Representative - NE USA*

FEATURES:

- Offers race 1-10 bacterial leaf spot resistance combined with phytophthora resistance
- Adaptable plant suitable for open field conditions
- Dark green mature peppers offering L to XL sizes



RELATIVE MATURITY: Medium

FRUIT SHAPE: Blocky

FRUIT SIZE: Extra large to large

FRUIT COLOR: Dark green

DISEASE RESISTANCE:

IR Xcv:1-10; Pc

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

The background is a vibrant orange with abstract, organic shapes in various shades of orange and red, suggesting tomato leaves and fruit. Two whole tomatoes are depicted: one in the upper right and one in the lower left, both with white outlines and visible internal seeds. In the center, there are two semi-circular slices of tomato, one above and one below the text, showing the internal structure. The text "Processing Tomato" is centered in a white, sans-serif font.

Processing Tomato

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Field Map – Processing Tomato

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FIRST PLANTING

HM 58841	HM 58841	HM 58841	HM 58841	HM 58841	HM 58841		
		HM 8507		HM 8163			
		HM 4521					
HM 5522			HM 8237				
			HM 8268				
		HM 5511		HM 58841			
		HM 7103		HMC620371			
HM 8237	HM 8237	HM 8237	HM 8237	HM 8237	HM 8237		

Mace Blvd.

SECOND PLANTING

HM 58841	HM 58841	HM 58841	HM 58841	HM 58841	HM 58841
		HM 8507		HM 8163	
		HM 4521			
HM 5522			HM 8237		
			HM 8268		
		HM 5511		HM 58841	
		HM 7103		HMC620371	
HM 8237	HM 8237	HM 8237	HM 8237	HM 8237	HM 8237



Processing Tomato –Intermediate

FEATURED PRODUCT



HM 8237

"Superior yielding hybrid with resistance to Fusarium Race 3 and Fusarium Crown Rot. Ideal for main and late season production, and the high level of Extended Field Holding (EFH) helps to ensure delivery of quality fruit to processors."

— Chris Carter, *Product Manager - Processing Tomato*

FEATURES:

- Tremendous yield potential
- Full disease resistance package, including TSWV, F3 and Fr
- High level of Extended Field Holding (EFH)
- Adaptable to all growing regions in California



RELATIVE MATURITY: 126 Days

RAW BRIX: 5.31

A/B FRUIT COL: 2.03

EFH: High level

TARGET CLASS: Intermediate

PPB: 3.89

DISEASE RESISTANCE:

HR Fol: 1,2,3 | Va:1 Vd:1 | ToMV 0,1,2 | For

IR Mi | TSWV:T0

Processing Tomato –Intermediate

FEATURED PRODUCT



HM 58841

“High tonnage variety having an incredibly strong root system and vigorous vine that covers the fruit. HM 58841 is a proven high quality and high recovery peeler. One of the most widely planted varieties in California.”

— Daryl Haarberg, *Sales Manager - Processing Tomato*

FEATURES:

- Very strong vine and roots
- Good adaptability and healthy vine
- Uniform fruit and good EFH



RELATIVE MATURITY: 125 Days

A/B FRUIT COL: 2.03

TARGET CLASS: Intermediate

RAW BRIX: 5.58

EFH: High level

PPB: 3.35

DISEASE RESISTANCE:

HR Fol: 1,2 | Va:1Vd:1

IR Ma | Mi | Mj | TSWV:TO

Processing Tomato –Intermediate

FEATURED PRODUCT



HM 8268

“HM 8268 has excellent color, high solids, attractive vine and exceptional yield. Gives both the grower and processor the tools needed to succeed.”

—Quinton Parker, *Technical Sales Representative - Processing Tomato*

FEATURES:

- Good adaptability
- High yield potential
- Strong disease resistance package
- Excellent fruit quality



RELATIVE MATURITY: 123 Days

A/B FRUIT COL: 2.13

TARGET CLASS: Intermediate

RAW BRIX: 5.59

EFH: No

PPB: 4.19

DISEASE RESISTANCE:

HR Fol: 1,2,3 | Va:1 Vd:1

IR Ma Mi Mj | TSWV: TO

Processing Tomato –Early

FEATURED PRODUCT



HM 7103

"An excellent early-season selection providing high yield, concentrated maturity and excellent fruit quality."

— Daryl Haarberg, Sales Manager - Processing Tomato

FEATURES:

- Second-early maturity
- Excellent yield and adaptability
- Strong compact vine with concentrated maturity
- High brix and thin viscosity



RELATIVE MATURITY: 116 Days

RAW BRIX: 5.60

A/B FRUIT COL: 2.09

EFH: No

TARGET CLASS: Early season

PPB: 5.52

DISEASE RESISTANCE:

HR Fol: 1,2 | Va:1 Vd:1

IR Ma Mi Mj | TSWV: TO

Processing Tomato –Early



HMC620371



- Complete disease resistance package with TSWV, Fusarium race 3 and Fusarium Crown Rot
- High yielding hybrid suited for all growing regions in California
- Second-early maturity
- Excellent fruit quality delivering high Brix and excellent internal color

DISEASE RESISTANCE:

HR Fol:1,2,3 | Va:1 Vd:1 | ToMV 0,1,2 | For

IR Ma Mi Mj | TSWV: TO

NOTES:

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Disease Resistance Glossary

Abbreviation	Common Name	Pathogen/Causal Agent
Bean		
BCMV	Bean common mosaic	Bean common mosaic virus
BCTV	Curly top	Beet curly top virus
Ua	Rust	<i>Uromyces appendiculatus</i>
Psp	Halo blight	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>
Pss	Bacterial brown spot	<i>Pseudomonas syringae</i> pv. <i>syringae</i>
Xap	Common blight	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i>
Cl	Anthrachnose	<i>Colletortichum lindemuthianum</i>
Cucumber		
PsI	Angular leaf spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>
Co	Anthrachnose	<i>Colletotrichum orbiculare</i>
CMV	Cucumber mosaic	Cucumber mosaic virus
Ccu	Scab	<i>Cladosporium cucumerinum</i>
ZYMV	Zucchini yellows	Zucchini yellow mosaic virus
PRSV	Papaya ringspot	Papaya ringspot virus
Pcu	Downey mildew	<i>Pseudoperonospora cubensis</i>
Corn		
Ps	Common rust	<i>Puccinia sorghi</i>
MDMV	Maize dwarf mosaic	Maize dwarf mosaic virus
Et	Northern leaf blight	<i>Exserohilum turcicum</i>
Pepper and Tomatillo		
Xcv	Bacteria leaf spot	<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>
Pc	Pepper wilt	<i>Phytophthora</i>
PVY	Potato Y	Potato Y virus
PepMoV	Pepper mottle	Pepper mottle virus
Tm	Tobamovirus	<i>Tobamovirus</i>
CMV	Cucumber mosaic	Cucumber mosaic virus
PepSMV	Pepper Severe Mosaic	Pepper severe mosaic virus
TSWV	Tomato spotted wilt	Tomato spotted wilt virus
ToMV	Tomato Mosaic	Tomato mosaic virus

Abbreviation	Common Name	Pathogen Causal Agent
Fom	Fusarium wilt	<i>Fusarium oxysporum f.s.p. melonis</i>
Px	Powdery mildew	<i>Podosphaeria xanthii</i>
PepYMV	Pepper yellow mosaic	Pepper yellow mosaic virus
TMV	Tobacco mosaic	Tobacco mosaic virus
Melon		
Fom	Fusarium wilt	<i>Fusarium oxysporum f.s.p. melonis</i>
Px	Powdery mildew	<i>Podosphaeria xanthii</i>
Ag	Cotton Aphid	<i>Aphis gossypii</i>
SLCV	Squash leaf curl	Squash leaf curl virus
Pumpkin		
Px	Powdery mildew	<i>Podosphaeria xanthii</i>
ZYMV	Zucchini yellow mosaic	Zucchini yellow mosaic virus
Squash		
Px	Powdery mildew	<i>Podosphaeria xanthii</i>
ZYMV	Zucchini yellow mosaic	Zucchini yellow mosaic virus
WMV	Watermelon mosaic	Watermelon mosaic virus
PRSV	Papaya ringspot	Papaya ringspot virus
SLCV	Squash leaf curl	Squash leaf curl virus
CMV		
Tomato		
Va:1	Verticillium wilt	<i>Verticillium albo-atrum</i> [race 1]
Vd:1	Verticillium wilt	<i>Verticillium dahliae</i> [race 1]
Fol	Fusarium wilt	<i>Fusarium oxysporum f.sp. lycopersici</i>
TSWV	Spotted wilt	Tomato spotted wilt virus
Ma*	Root knot	<i>Meloidogyne arenaria</i>
Mi*	Root knot	<i>Meloidogyne incognita</i>
Mj*	Root knot	<i>Meloidogyne javanica</i>
TYLCV	Tomato yellow leaf curl	Tomato yellow leaf curl virus
Pst	Bacterial speck	<i>Pseudomonas syringae pv. tomato</i>
Ss	Gray leaf spot	<i>Stemphylium solani</i>
ToMV	Tomato mosaic	Tomato mosaic virus
Aal	Early blight	<i>Alternaria alternata f.sp. lycopersici</i>

Abbreviation	Common Name	Pathogen Causal Agent
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Watermelon		
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Fon	Fusarium wilt	<i>Fusarium oxysporum f.s.p. niveum</i>
Co	Anthrachnose	<i>Colletotrichum orbiculare</i>
CMV	Cucumber mosaic	Cucumber mosaiv virus

(*)The intermediate nematode resistance gene is currently the only one available in commercial varieties. This gene is effective against the following nematode species: Meloidogyne arenaria, Meloidogyne incognita, Meloidogyne javanica. The efficiency of this gene is reduced or canceled, by soil temperatures> 86 ° F (28 ° C) or other stress conditions.

Data and Disease Ratings are an average of results from various test locations. It is not a prediction of future performance, but a summary of past results. Your performance will vary depending on the actual environment, pathogen strain and management conditions in your field. HM.CLAUSE, Inc.'s Limitation of Warranty and Liability and Use Restriction is a condition of purchase of all HM.CLAUSE seed. To preview the Limitation of Warranty and Liability and Use Restriction, please visit the HM.CLAUSE, Inc. website found at www.hmclause.com or call for more information.



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