



 **Enogen**TM

20
27

**SEED
GUIDE**

CANADA

Unlock More from Every Kernel

Exceptional Quality, Yield & Starch Digestibility

Fed as grain or silage, the alpha-amylase enzyme trait in Enogen™ corn drives the conversion of starch into usable sugars, unlocking more energy for your herd.



Maximize Your Herd's Potential

BENEFITS IN SILAGE PRODUCTION AND STORAGE

- Flexibility to be harvested as silage, grain or high-moisture corn with minimized management needs compared to alternative specialty silage hybrids.¹
- Farm-proven yields of Enogen™ corn are equal to or better than yields of non-Enogen corn hybrids.²
- Adapted for different environments and growing conditions with elite genetics and industry-leading agronomic traits.

BENEFITS FOR DAIRY OPERATIONS

- High-quality silage delivers consistent energy conversion with a lower risk of spoilage.
- Helps increase tract organic matter and starch digestibility, improving milk production performance.³

BENEFITS FOR BEEF OPERATIONS

- Simple incorporation into rations — replace your current silage with Enogen silage to help increase feed efficiency.
- Helps to optimize dry matter intake (DMI) and total tract digestibility, lowering feed costs and helping increase the efficiency of your operation.⁴

Increased Feed Efficiency

FINISHING BEEF CATTLE

Feed efficiency improved by approximately 5% when finishing beef cattle were fed Enogen Feed Corn (EFC) as either dry rolled corn, steam flaked corn or silage.⁴

5%

GROWING BEEF CATTLE

Feed efficiency improved by approximately 5.5% when growing beef cattle were fed EFC as whole shelled corn or dry rolled corn.⁴

5.5%

DAIRY COWS

Feed efficiency for dairy cows fed EFC improved by 6% in several North American University studies.²

6%



BOOST MORE PROFIT POTENTIAL

High energy meets easy digestibility with Enogen grain and silage. The heat-stable and pH-tolerant alpha-amylase trait leads to increased starch digestion and more available energy for feedlot and dairy cattle, which could lead to additional benefits, including:

- Faster ensiling with less spoilage
- Increased cattle comfort and less time at the bunk
- No production loss after introduction
- Lower feed costs and increased profit potential
- Lower DMI providing the same production or greater

Unlock More
with Enogen
Corn Hybrids



¹ Enogen is subject to specific yet simple stewardship requirements.

² Syngenta production data 2012-2017.

³ Cueva et al. 2021. Lactational performance, rumen fermentation, and enteric methane emission of dairy cows fed an amylase-enabled corn silage. J. Dairy Sci. 104, vol 9, 9827-9841. <https://doi.org/10.3168/jds.2021-20251>

⁴ University of Nebraska-Lincoln Research Studies, 2013-2017; Kansas State University Research Studies, 2017-2018, Pennsylvania State University, 2019.

CORN TRAIT
Technology

Differentiated Technology Choice

The Syngenta corn trait portfolio offers a comprehensive collection of trait technology — featuring above- and below-ground insect control plus water optimization technology — powered by elite genetics that can help you meet your operation’s goals. No matter your agronomic challenges, our corn trait portfolio helps every hybrid reach its fullest genetic potential.

Above- and Below-Ground Insect Control

Get comprehensive insect protection, including proven Corn Rootworm (CRW) control.

 **DuracadeViptera™** Comprehensive control of a variety of above- and below-ground pests, including CRW, Earworm, Cutworm, Armyworm and Corn Borer.

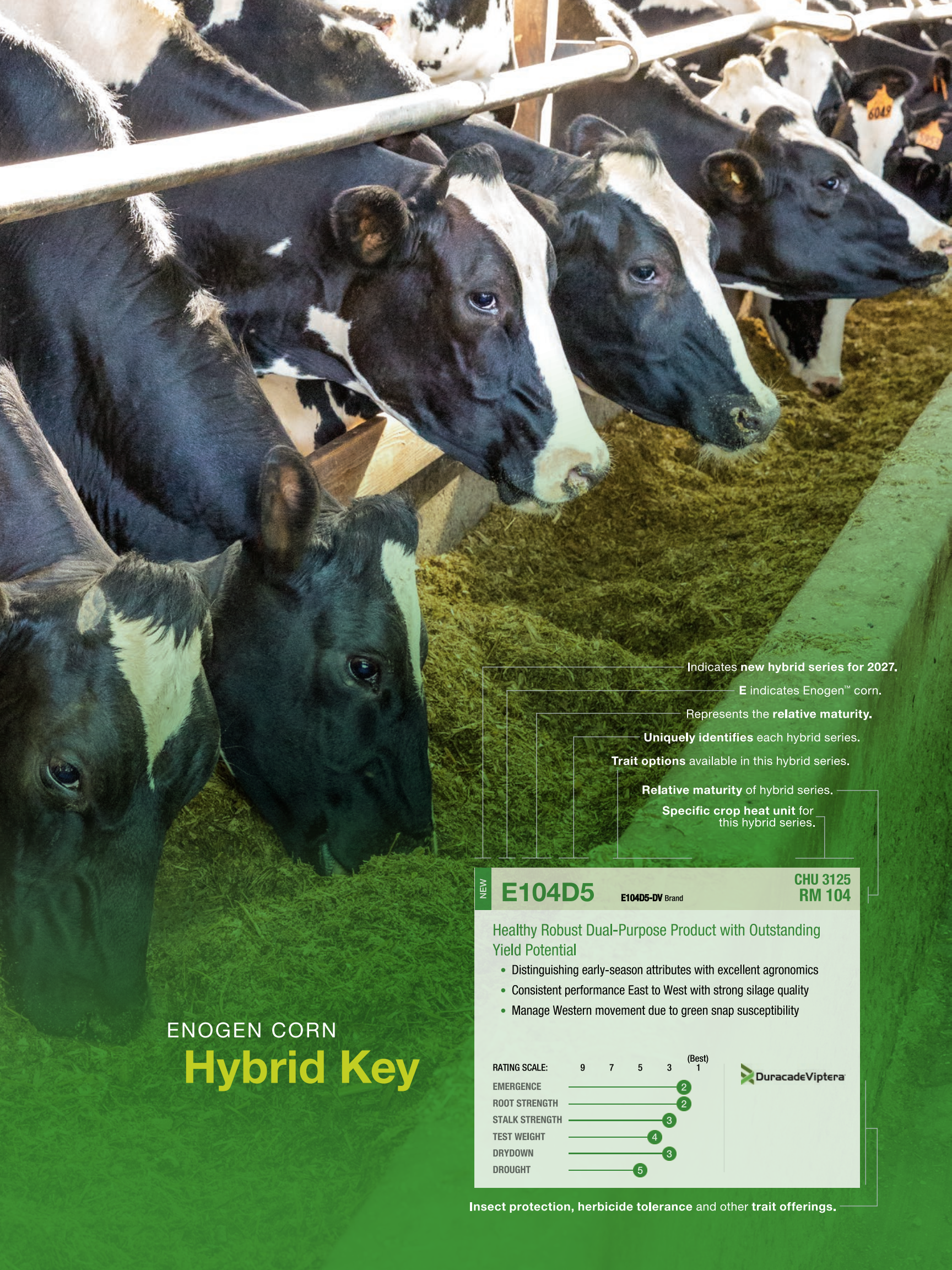
 **Duracade®** Multiple modes of action to control CRW and Corn Borer in addition to suppressing ear-feeding insects.

Available Corn Trait Technology

	TRAIT STACK	BAG TAG ABBR.	INSECT TRAIT EVENTS			HERBICIDE TOLERANCE	
			BROAD LEPIDOPTERAN	CORN BORER	CORN ROOTWORM	GLYPHOSATE	GLUFOSINATE
ABOVE- AND BELOW-GROUND TRAIT STACKS	DuracadeViptera™	DV	MIR162, TC1507	Bt11, TC1507	MIR604, 5307	✓	✓
	Duracade®	D	TC1507	Bt11, TC1507	MIR604, 5307	✓	✓

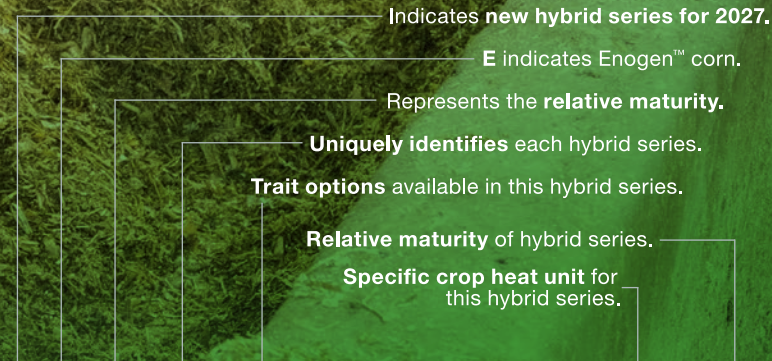
Learn More About Our
Broad Trait Portfolio





ENOGEN CORN

Hybrid Key



NEW

E104D5

E104D5-DV Brand

CHU 3125

RM 104

Healthy Robust Dual-Purpose Product with Outstanding Yield Potential

- Distinguishing early-season attributes with excellent agronomics
- Consistent performance East to West with strong silage quality
- Manage Western movement due to green snap susceptibility

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

2

2

3

4

3

5

Duracade

Viptera

Insect protection, herbicide tolerance and other trait offerings.

E080Q1

E080Q1-D Brand

CHU 2400

RM 80

Superior Staygreen and Heavy Test Weight Lead to Strong Dual-Purpose Potential

- Proven stalks and roots allow for season-long standability
- Early flowering for good Northern adaptation
- Semi-flex ear provides population flexibility

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

3

3

3

2

4

1

Duracade

Artesian

E085Z5

E085Z5-D Brand

CHU 2625

RM 85

Outstanding Yield Potential and Versatility on a Wide Range of Soil Types

- Solid emergence and vigour allow for earlier planting
- Best performance in medium to high populations
- Tall hybrid for both silage and grain use

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

3

3

4

4

2

3

Duracade

E087C2

E087C2-D Brand

CHU 2675

RM 87

Exciting Genetics with Strong Green Snap Tolerance and Agronomics

- Strong roots, stalks and seedling vigour
- Performs best on medium to fine textured soils
- Solid foliar disease package supports late-season plant health

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

3

3

3

4

3

4

Duracade

E092W5

E092W5-D Brand

CHU 2750

RM 92

Top-End Yield Potential with Broad Adaptation

- Exceptional early disease package with strong emergence and seedling vigour
- Consistent performance and drought tolerance
- Outstanding dual-purpose hybrid with maximum tonnage and feed quality

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

2

5

4

3

3

1

Duracade

Artesian

E094Z4

E094Z4-D Brand

CHU 2800

RM 94

Performance and Versatility Across a Range of Soil Types

- Tall hybrid with moderate ear height and ear flex
- Very strong roots and solid stalks
- Great emergence and vigour for early planting

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

2

2

3

4

3

4

Duracade

E097K6

E097K6-D Brand

CHU 2925

RM 97

Broadly Adapted Dual-Purpose Hybrid with Excellent Grain Yield and Corn Silage Potential

- Dependable emergence allows for early planting
- Shorter plant height with good silage tonnage and quality potential
- Likely to respond to a foliar fungicide application

RATING SCALE:

9753

(Best)1

EMERGENCE

ROOT STRENGTH

STALK STRENGTH

TEST WEIGHT

DRYDOWN

DROUGHT

3

3

4

4

2

3

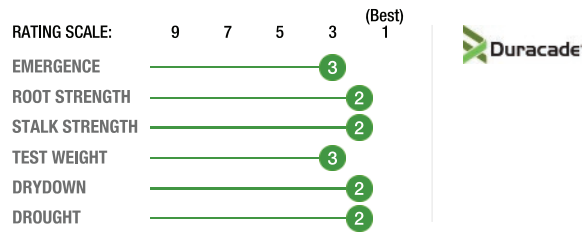
Duracade

E102K7

E102K7-D Brand

CHU 3100
RM 102

- Dual-Purpose Product That Packs on Grain Yield with Strong Silage Tonnage Potential
- Broadly adapted across soil types and excels in better drained soils
 - Very strong roots and stalks paired with proven drought tolerance
 - Best performance potential in zone and North



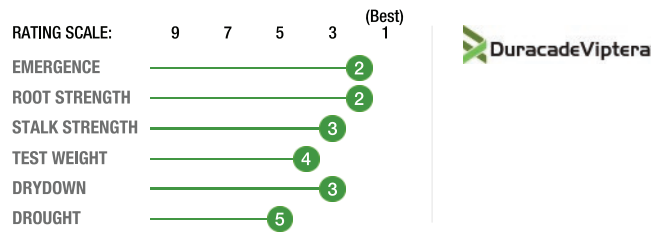
NEW

E104D5

E104D5-DV Brand

CHU 3125
RM 104

- Healthy Robust Dual-Purpose Product with Outstanding Yield Potential
- Distinguishing early-season attributes with excellent agronomics
 - Consistent performance East to West with strong silage quality
 - Manage Western movement due to green snap susceptibility

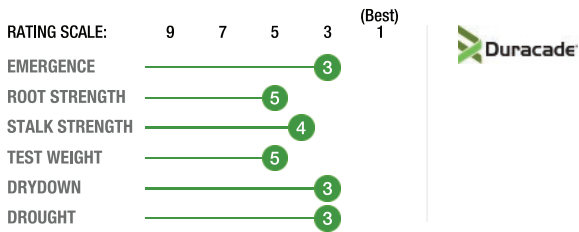


E105Z5

E105Z5-D Brand

CHU 3150
RM 105

- Exceptional Hybrid with Very Strong Silage Characteristics
- Very good emergence and vigour to support early planting
 - Tall, robust hybrid with low to moderate ear placement
 - Broadly adapted across soil types



E107C1

E107C1-D Brand

CHU 3200
RM 107

- Full-Season Hybrid with the Ability to Move Outside of Zone
- Tall hybrid with strong stalks and roots
 - Stable performance with good heat stress tolerance
 - Outstanding tonnage and quality at moderate planting populations



ENOGEN CORN

Characteristics

	BRAND	TRAIT OFFERINGS¹	MATURITY INFORMATION				AGRONOMIC CHARACTERISTICS								PLANT CHARACTERISTICS						DISEASE TOLERANCE²								
	Enogen™ Hybrid Series	Above- and Below-Ground Insect Protection with E-Z Refuge®	Relative Maturity	Crop Heat Units (CHUs)	GDUs to Silk	GDUs to Black Layer	Emergence	Seedling Vigour	Root Strength	Stalk Strength	Drought	Green Snap	Staygreen	Drydown	Test Weight	Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex³	Cob Colour	Grey Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Bacterial Leaf Streak	Anthracnose Stalk Rot	Tar Spot	Fusarium Crown Rot	Southern Rust
		 DuracadeViptera  Duracade																											
	E080Q1	D	80	2400	1150	1810	3	3	3	3	1	3	1	4	2	5	4	M	U	SF	R	3	5	4	3	6	2	7	-
	E085Z5	D	85	2625	1220	2140	3	3	3	4	3	5	4	2	4	3	4	M	S-U	SD	R	4	4	4	3	3	4	5	-
	E087C2	D	87	2675	1230	2210	3	3	3	3	4	3	3	3	4	3	4	M	S-U	SF	R	2	3	3	3	4	3	5	-
	E092W5	D	92	2750	1240	2300	2	3	5	4	1	3	4	3	3	4	4	M	U	SF	R	-	3	4	-	4	3	5	-
	E094Z4	D	94	2800	1260	2390	2	2	2	3	4	4	4	3	4	3	4	M	S-U	SF	R	4	4	4	2	4	6	5	-
	E097K6	D	97	2925	1290	2420	3	3	3	4	3	3	4	2	4	5	5	M	U	SD	Pi	5	5	4	4	5	4	6	-
	E102K7	D	102	3100	1345	2525	3	2	2	2	2	3	4	2	3	5	6	M	U	SF	Pi	4	4	4	3	4	4	5	-
	E104D5	DV	104	3125	1400	2575	2	2	2	3	5	4	3	3	4	3	5	M	P	SF	R	-	4	3	4	4	4	4	6
	E105Z5	D	105	3150	1455	2660	3	3	5	4	3	2	3	3	5	2	4	M	S-U	SF	Pi	3	5	3	3	2	5	4	-
	E107C1	D	107	3200	1500	2600	3	4	2	3	3	5	3	4	3	1	4	M	S-U	SF	Pi	3	4	5	5	5	3	5	4

Artesian® water-optimized hybrid

Trait Offerings
Above- and Below-Ground Insect Protection with E-Z Refuge
DV = DuracadeViptera™
D = Duracade®

Agronomic Characteristics
1 = Best
9 = Worst
- = Not Available

Plant Height
1 = Tall
9 = Short

Ear Height
1 = High
9 = Low

Test Weight
1 = High
9 = Low

Disease Tolerance
1 = High
9 = Low
- = Not Available

Ear Flex
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

Root Type
P = Penetrating
M = Modified
F = Fibrous

Leaf Type
U = Upright
S-U = Semi-Upright
P = Pendulum

Cob Colour
DR = Dark Red
R = Red
Pi = Pink
W = White

¹ Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium-based herbicides.

² Disease and insect ratings are not absolute; environmental conditions and certain cultural practices, such as continuous corn, play a critical role in disease development and insect infestation, which can predispose plants to secondary diseases such as stalk and ear rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure. Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

³ Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate hybrids are less able to adjust ear size. Plant population is considered more important for a determinate-ear hybrid than for a flex-ear hybrid.



ENOGEN ADVANTAGE APP

Make smarter feeding decisions for your operation.

The Enogen Advantage app analyzes data from both Enogen™ and non-Enogen feedstock samples using university-backed models, helping you calculate the most effective feed rations and see your results and return on investment.

Download the App

ENOGEN CORN

Agronomic Management

Brand	Maturity Information		Agronomic Management and Placement Traits														End-Use Traits				
Enogen™ Hybrid Series	Relative Maturity	Crop Heat Units (CHUs)	Seeding Rate (x1000k)					Charac-teristics		Adaptation to Soil Types or Yield Environments							Starch	Protein	Oil	Beef Feed-to-Gain	
			27.0	30.0	34.0	37.0	40.0	Root Strength	Stalk Strength	Continuous Corn	High pH	Highly Productive	Coarse-Textured	Medium-Textured	Fine-Textured	Fungicide Response					
	E080Q1	80	2400	G	B	B	G	F	3	3	G	G	G	B	B	G	F	G	G	F	P
	E085Z5	85	2625	F	G	B	B	B	3	4	F	G	B	G	G	F	G	G	F	G	G
	E087C2	87	2675	G	B	B	B	G	3	3	G	-	G	G	G	G	-	-	-	-	-
	E092W5	92	2750	G	G	B	B	G	5	4	F	F	B	B	B	G	G	G	P	G	G
	E094Z4	94	2800	G	G	B	B	G	2	3	G	G	B	G	B	G	-	-	-	-	-
	E097K6	97	2925	G	G	B	B	G	3	4	G	G	B	G	G	F	G	-	-	-	-
	E102K7	102	3100	F	G	B	B	B	2	2	B	B	B	B	G	G	F	F	G	B	G
	E104D5	104	3125	G	G	B	B	G	2	3	-	G	G	G	G	G	G	-	-	-	-
E105Z5	105	3150	G	G	B	B	G	5	4	G	F	F	G	G	F	-	-	-	-	-	
E107C1	107	3200	G	B	B	B	G	2	3	G	P	F	G	G	G	F	G	F	F	G	

 Artesian® water-optimized hybrid

Characteristics
1 = Best
9 = Worst
- = Not Available

Adaptation and Responses
 = Best
 = Good
 = Fair
 = Poor
- = Not Available

Agronomy ratings are based on statistically analyzed results of studies conducted by Syngenta and are relative to other hybrids within the same maturity group.

ENOGEN CORN

Silage Characteristics

Enogen™ Hybrid Series	MATURITY INFORMATION		CHARACTERISTICS						DISEASE TOLERANCE¹				AGRONOMIC RESEARCH RATINGS²							
	Relative Maturity	Crop Heat Units (CHUs)	AGRONOMIC				PLANT		Gray Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Tar Spot	Yield (Tons/A)	NDFd 30 hr (% of NDF)	Starch (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)	Milk (lbs/A)³	Beef (lbs/Ton)	Beef (lbs/A)
			Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height												
 E080Q1	80	2400	3	3	1	1	5	4	3	5	4	2	F	G	G	G	G	G	G	G
E085Z5	85	2625	3	3	3	4	3	4	4	4	4	4	F	G	G	G	G	G	G	G
E087C2	87	2675	3	3	4	3	3	4	2	3	3	3	B	G	G	G	G	G	G	G
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E097K6	97	2925	3	3	3	4	5	5	5	5	4	4	B	B	F	G	G	B	G	B
E102K7	102	3100	3	2	2	4	5	6	4	4	4	4	G	G	G	G	G	G	G	G
 E104D5	104	3125	2	2	5	3	3	5	-	4	3	4	B	G	G	G	G	G	G	G
E105Z5	105	3150	3	5	3	3	2	4	3	5	3	5	B	G	G	G	G	G	G	G
E107C1	107	3200	3	2	3	3	1	4	3	4	5	3	B	G	G	G	G	G	G	G

 Artesian® water-optimized hybrid

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- = Not Available

Plant Height
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9 = Short

Ear Height
1 = High
9 = Low

Disease Tolerance
1 = High
9 = Low
- = Not Available

Agronomic Research Ratings
 = Best
 = Good
 = Fair
 = Poor
- = Not Available

¹Disease and insect ratings are not absolute; environmental conditions and certain cultural practices, such as continuous corn, play a critical role in disease development and insect infestation, which can predispose plants to secondary diseases such as stalk and ear rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure. Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

²Digestibility ratings are based on near-infrared and in vitro digestibility analysis. Milk performance estimates are generated from University of Wisconsin equations. Comparisons should be made only among hybrids within a maturity group. Although actual silage yield and quality analysis of a hybrid will vary with environment, the relative ranking of a hybrid will be similar. These ratings are a relative performance guide. Conduct a laboratory test to determine actual silage quality when balancing a feed ration. These ratings should not be used to estimate actual production per animal, but instead should be used to determine relative overall silage quality and yield of each hybrid.

³fyi.extension.wisc.edu/forage/files/2016/11/Milk-2016-Combining-Yield-and-Quality-into-a-Single-Term-2.pdf



YOUR REP CAN HELP

Your Enogen Technical Sales Representative understands local conditions and has the experience and expertise to **recommend the right seed for your farm.**

Contact Our Customer
Interaction Centre

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