



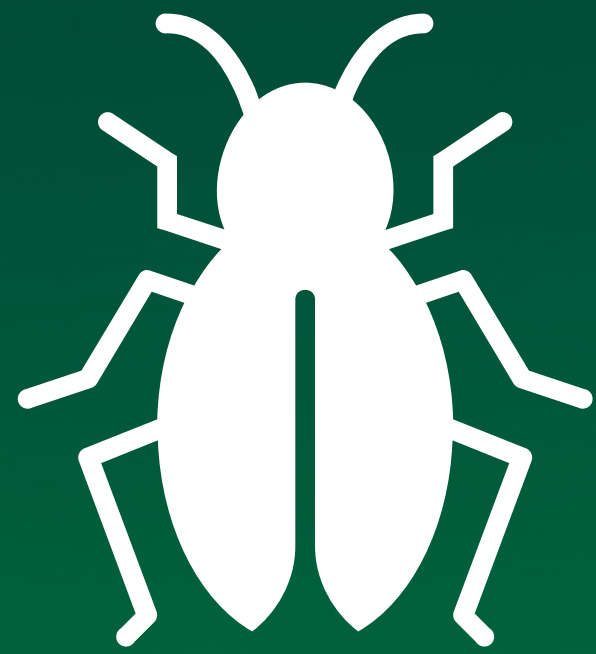
High-performing Traits to Protect Genetic Yield Potential



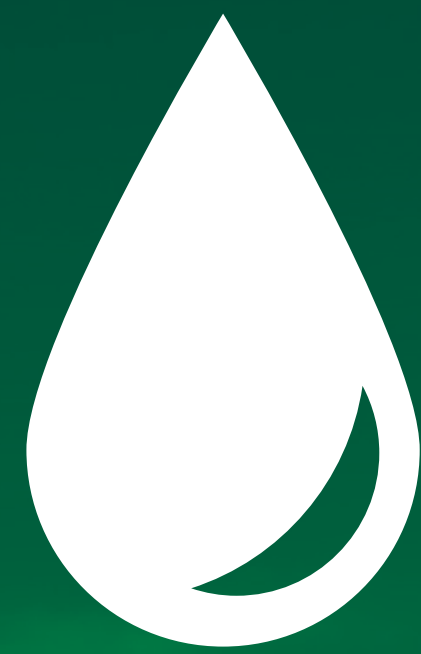
syngenta®



AGRISURE TRAITS BENEFITS



**Best-in-class
insect control**



**Advanced water
optimization**



**Exceptional
herbicide tolerance**



**Protect genetics
to maximize
quality and
yield potential**



A wide-angle photograph of a lush green cornfield under a clear sky. The rows of corn stretch towards the horizon. In the foreground, the soil is cracked and dry, suggesting a drought or water stress condition.

Agrisure Artesian[®]

- ▶ Maximizes yield when it rains, and increases yield when it doesn't
- ▶ Multiple modes of action against water stress
- ▶ Built with scientifically selected genes
- ▶ Converts water to grain more effectively than other hybrids
- ▶ Manages gaps in rainfall throughout the season
- ▶ Helps achieve improved yield consistency
- ▶ Designated by an 'A' at the end of the trait stack name

MAXIMIZES YIELD WHEN IT RAINS...



 **Agrisure Artesian**[®]



Competitive Hybrid

Elkville, IL 2012

...AND INCREASES YIELD WHEN IT DOESN'T

Artesian hybrids under water stress out-performed trial averages by nearly 12 percent, roughly twice that reported by competitors.



 **Agrisure Artesian**[®]

AQUAmax[®]

DroughtGard[®]

*Represents yield increase over plot average in field trials in limited-water conditions.

Performance evaluations vs. competitor products based upon interpretation of publicly available information, public presentations, regulatory submissions and/or field observations. Years data reported: Agrisure Artesian:2010-2014; AQUAmax: 2011-2013; DroughtGard: 2012-2014

syngenta[®]



AgrisureDuracade[®]

- ▶ Essential tool in a grower's corn rootworm management program
- ▶ Features a unique mode of action
- ▶ Always stacked with a second, proven mode of action for dual modes of corn rootworm control
- ▶ Available in convenient integrated refuge products



1 vs. 900

In a USDA study, hybrids with Agrisure Duracade reduced adult beetle emergence by 99.79%, compared to similar hybrids without the trait - that's an average emergence of 1 beetle vs. almost 900 beetles per plant!



Mortality Impact of Bt Transgenic Maize Roots Expressing eCry3.1Ab, mCry3A and eCry3.1Ab plus mCry3A on Western Corn Rootworm Larvae in the Field. Bruce E. Hibbard, Daniel L. Frank, Ryan Kurtz, Eric Boudreau, Mark R. Ellersieck, and J. Frederick Odhiambo. Journal of Economic Entomology, 2011, 104 (5), 1584-1591.



Agrisure Duracade[®]

See the difference



Agrisure Duracade (left) vs. check (right), Clinton, IL 2013



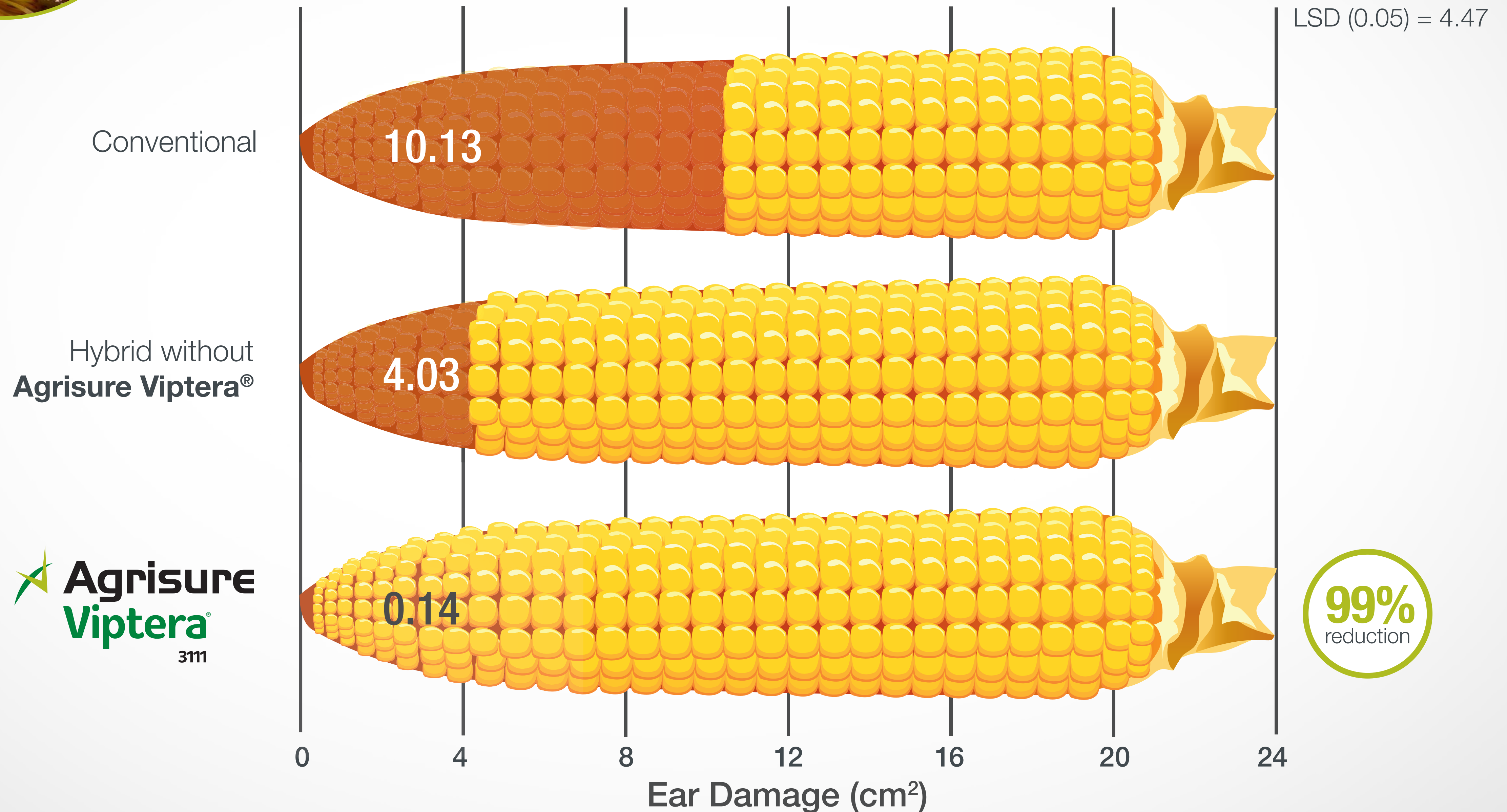
Agrisura Viptera[®]

- ▶ Provides more control of more insects to deliver more high-quality grain
- ▶ Reduces mold and mycotoxin production through control of damaging ear-feeding insects
- ▶ Protects grain quality for increased profit potential at the elevator and a better quality livestock feed



Agrisura Viptera[®]

Agrisura Viptera lessens damage caused by corn earworm



Study results from Syngenta field trials in 33 locations with natural pest pressure, 2007-09.

Agrisure Viptera[®]

Agrisure Viptera reduces mold and mycotoxin production for higher quality grain





E-Z Refuge[®] products

- ▶ Integrated single-bag refuge meets grower demand for increased convenience
- ▶ Provides dual modes of action to control key pests
- ▶ Designated by “E-Z Refuge” at the end of trait stack name

What's in a trait stack name?



MASTER BRAND

[Agrisure]

The **master brand**.

SUFFIX

[Duracade]

The **brand suffix** changes as new technologies are introduced.

TECH SERIES

[5]

The **technology series** is indicated by the first number: 3 represents herbicide tolerance, 5 represents Agrisure Duracade.

TRAITS

[2 2 2]

The **last three numerical identifiers** represent the number of modes of action in each hybrid for broad lepidopteran, corn borer and corn rootworm control.

ARTESIAN HYBRID

[A]

The **letter A** indicates the hybrid is a water-optimized Agrisure Artesian hybrid.

INTEGRATED, SINGLE BAG

[E-Z Refuge]

The **E-Z Refuge** descriptor indicates that the hybrid is an integrated, single-bag refuge product.

Note: The naming system does not apply to Agrisure 3000GT.



High-performing traits to protect genetic yield potential

Trait stack	Modes of action for:			This hybrid is:			
	Above-ground insects	Corn borer	Corn rootworm	Glufosinate tolerant	Glyphosate tolerant	E-Z Refuge	Artesian
Agrisure [®] 3120 E-Z Refuge [®]	✓	✓ ✓		✓ ^{**} (EZ1 only)	✓	✓	
Agrisure [®] Artesian [®] 3120A E-Z Refuge [®]	✓	✓ ✓		✓ ^{**} (EZ1 only)	✓	✓	✓
Agrisure [®] 3122 E-Z Refuge [®]	✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	
Agrisure [®] Artesian [®] 3122A E-Z Refuge [®]	✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	✓
Agrisure [®] 3000GT		✓	✓	✓	✓		
Agrisure [®] Artesian [®] 3011A		✓	✓	✓	✓		✓
Agrisure [®] 3010 *		✓		✓	✓		
Agrisure [®] Artesian [®] 3010A		✓		✓	✓		✓
Agrisure [®] GT					✓		
Agrisure [®] Artesian [®] GTA					✓		✓

* This hybrid is also sold as Agrisure GT/CB/LL





**Consult bag tags for E-Z Refuge product herbicide options; only those labeled EZ1 may be sprayed with glufosinate





Agrisure Duracade®

An essential tool in a corn rootworm management program

Trait stack	Modes of action for:			This hybrid is:			
	Above-ground insects	Corn borer	Corn rootworm	Glufosinate tolerant	Glyphosate tolerant	E-Z Refuge	Artesian
 Agrisure Duracade® 5122 E-Z Refuge®	✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	
 Agrisure Duracade® 5122A E-Z Refuge®	✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	✓
 Agrisure Duracade® 5222 E-Z Refuge®	✓ ✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	
 Agrisure Duracade® 5222A E-Z Refuge®	✓ ✓	✓ ✓	✓ ✓	✓ ^{**} (EZ1 only)	✓	✓	✓







^{**}Consult bag tags for E-Z Refuge product herbicide options; only those labeled EZ1 may be sprayed with glufosinate





Agrisure Viptera®

More control of more insects
for more yield










Trait stack	Modes of action for:			This hybrid is:			
	Above-ground insects	Corn borer	Corn rootworm	Glufosinate tolerant	Glyphosate tolerant	E-Z Refuge	Artesian
	✓	✓		✓	✓		
	✓	✓		✓	✓		✓
	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓		✓
	✓ ✓	✓ ✓		✓** (EZ1 only)	✓	✓	
	✓ ✓	✓ ✓		✓** (EZ1 only)	✓	✓	✓

**Consult bag tags for E-Z Refuge product herbicide options; only those labeled EZ1 may be sprayed with glufosinate



Agrisure Artesian®

The A team

Trait stack	Modes of action for:			This hybrid is:			
	Above-ground insects	Corn borer	Corn rootworm	Glufosinate tolerant	Glyphosate tolerant	E-Z Refuge	Artesian
 Agrisure Duracade® 5122A E-Z Refuge®	✓	✓ ✓	✓ ✓	✓** (EZ1 only)	✓	✓	✓
 Agrisure Duracade® 5222A E-Z Refuge®	✓ ✓	✓ ✓	✓ ✓	✓** (EZ1 only)	✓	✓	✓
 Agrisure Viptera® 3110A	✓	✓		✓	✓		✓
 Agrisure Viptera® 3111A	✓	✓	✓	✓	✓		✓
 Agrisure Viptera® 3220A E-Z Refuge®	✓ ✓	✓ ✓		✓** (EZ1 only)	✓	✓	✓
 Agrisure Artesian® 3122A E-Z Refuge®	✓	✓ ✓	✓ ✓	✓** (EZ1 only)	✓	✓	✓
 Agrisure Artesian® 3010A		✓		✓	✓		✓
 Agrisure Artesian® 3011A		✓	✓	✓	✓		✓
 Agrisure Artesian® GTA					✓		✓

**Consult bag tags for E-Z Refuge product herbicide options; only those labeled EZ1 may be sprayed with glufosinate



For more information about the Agrisure traits portfolio,
visit www.agrisuretraits.com.

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