



AMVAC PRODUCT UPDATE

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COTTON INDUSTRY ADVANCEMENT
SCHOLARSHIP

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2019



Mr. Hunter Lipsey – Monterey, LA

- Nominated by: Richard Griffing
- Attending Mississippi State Univeristy



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SCHOLARSHIP

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To learn more or to apply, visit
AMVAC.com/scholarship



Product Acquisitions

AMVAC has acquired the following products from Corteva AgriScience for the U.S. crop market:

- Classic[®] Herbicide - (2020) → sedgets, vines and sicklepod
 - First Rate[®] Herbicide - (2020) → horseweed
 - Hornet[®] Herbicide - (2020)
 - Python[®] Herbicide - (2020) → Teaweed
-
- Assure[®] II - (2019) → Option in Enlist Corn
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Bidrin

- **New: 3 day restricted-entry interval REI**
 - Rainfast within three hours
 - Provides suppression of aphids without flaring spider mites
 - Excellent tank-mix flexibility
 - Quick knockdown of nymph and adult plant bugs
 - Unmatched control of all stink bug species
-

THIMET® Provides Thrips Control and More

- Proven systemic control of thrips.
 - Key component of Tomato Spotted Wilt Virus (TSWV) management Plans.
 - The **only** insecticide that suppresses TSWV
 - **NEW: Proven to reduce the risk of leaf spot**
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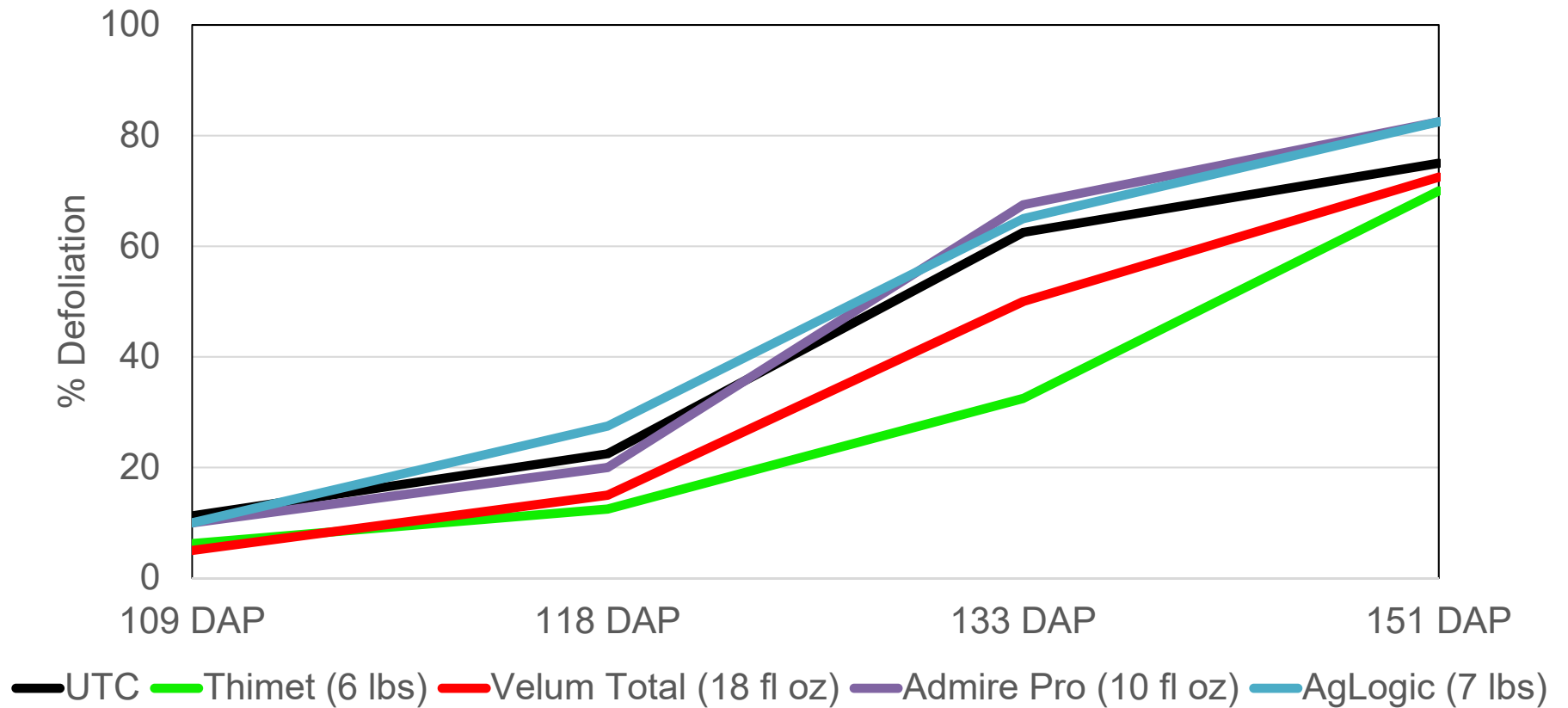
Defoliation % from Late Leaf Spot at ~120 Days After Planting

Location	Year	Variety	Nontreated	Thimet
Blackville, SC	2017	Georgia 06G	32.5% a	14.5% b
Blackville, SC	2018	Gregory	52.5% a	21.3% b
Quincy, FL	2018	Pooled runners	47.9% a	25.3% b

Pooled studies: 22.7% less defoliation with Thimet

Quincy, FL 2019

Peanut Defoliation Caused by Leafspot



Impact® Corn Herbicide Brands

IMPACT®
Herbicide

IMPACT^Z
Herbicide®

NEW in 2021

IMPACT®
HERBICIDE **CORE**

SiNATE



Impact CORE™

* EPA Registration Pending

Impact CORE[™]

- **Formulation:** Emulsifiable Concentrate (EC)
 - 7.15 lb/gal (of active ingredients)
 - **Topramezone = 0.071 lb/gal**
 - **Acetochlor = 7.08 lb/gal**
- Does not have safener (furilazole)

Impact CORE™

Formulation ratios shown in lb active ingredient
Ratio is 1:100 of topramezone:acetochlor

Acetochlor (lb)	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
Topramezone (lb)	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.022
IMPACT Equiv. fl oz	0.51	0.55	0.60	0.65	0.69	0.74	0.78	0.83	0.88	0.92	0.97	1.0



Impact CORE
20 fl oz



Impact CORE
30 fl oz



Impact CORE
40 fl oz

Impact CORE™

Key Use Directions

- For control of emerged weeds and residual control of susceptible, emerging weed seedlings after crop emergence.
- Apply from spike stage of corn up to 11-inch tall corn.
- Up to 2 sequential applications of CORE™ separated by at least 14 days.
- Do not exceed cumulative total of 40 fl oz/A per year.
- **Not labeled on Sweet Corn**



SiNATE

* EPA Registration Pending

SiNATE

- **Formulation:** Soluble concentrate (SL)
 - 2.57 lb/gal (of active ingredients)
 - *Topramezone* = 0.1 lb/gal
 - *Glufosinate-ammonium* = 2.47 lb/gal
- **Labeled Crops:** *only glufosinate* tolerant field and sweet corn

EPA registration pending. For informational purposes only.

SiNATE

Impact + Glufosinate Use Rate (fl oz)	Impact Equivalent Use Rate (fl oz)	Liberty [®] Equivalent Use Rate (fl oz)
21*	0.75	22
24	0.857	25
28**	1.0	29.5

*Max use rate in sweet corn

**Max use rate in field corn

SiNATE

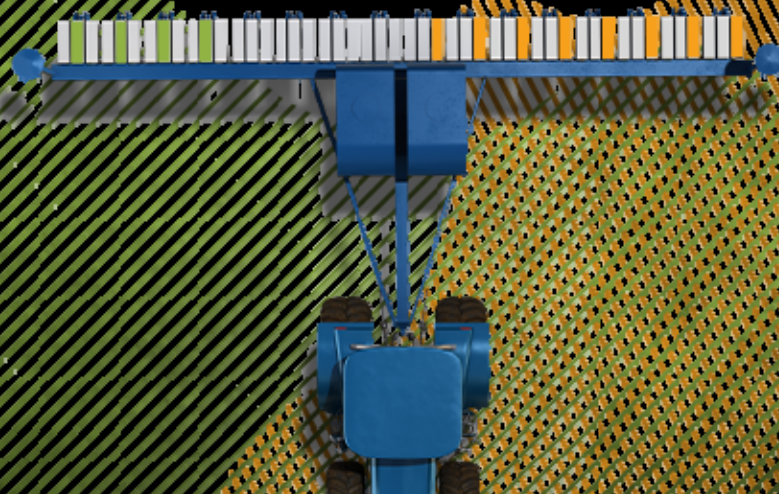
Key Use Directions

- For control of emerged grass and broadleaf weeds
 - Apply from crop emergence up to corn height of 24" or V7 growth stage
 - May be applied to corn up to 36" using drop nozzles and avoiding spraying directly into the whorl
 - Do not exceed at total of 28 oz/A per growing season
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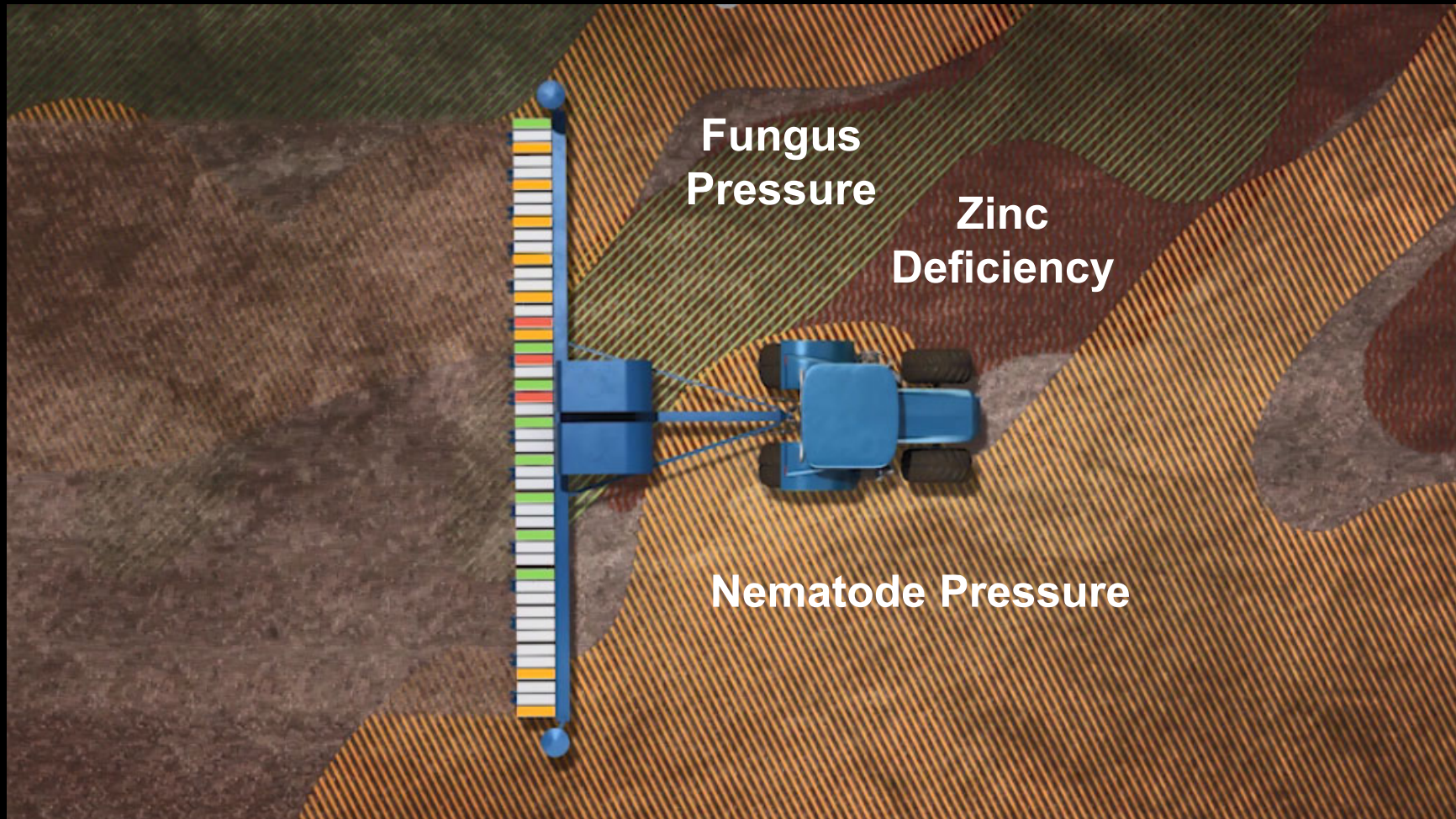


SIMPAS[®]

Smart
Integrated
Multi-Purpose
Prescription
Application
System



Right time, place, products, & rate.



Only what's prescribed. Precisely where it's needed.

**SIMPAS Row Unit
with installed
SmartCartridge
Containers**

Two granular and
one liquid (middle)
SmartCartridge
container on
prototype row unit at
2019 Commodity
Classic



**Liquid Product
Pumps**

Liquid products
dispensed from
cartridge-specific
pumps, while
granular products
dispensed below,
from cartridge
specific meters (*not
visible in this photo*) –
protecting granular
application system
from liquid products