

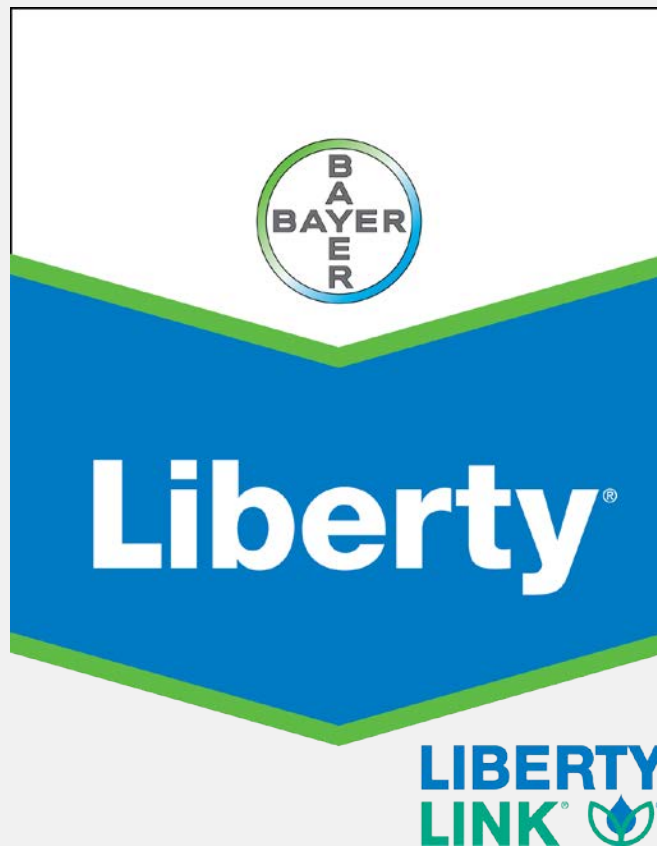
Science For A Better Life

Bayer CropScience

2018 LACA

2018 Product Update

2/14/18



**The Most Reliable Solution
to manage glyphosate-resistant weeds**



Application Information

How to Spray Liberty:

As a ***contact herbicide***, following application guidelines is important to ensure adequate coverage and maximum weed control.

- **Use nozzles and pressure** that generate ***medium-size*** spray droplets (250 microns to 350 microns).
- Apply Liberty at **15 GPA of water**; increase water if dense weed canopy exists.
- Apply at ground speed of **less than 15 mph** to attain adequate coverage.
- **Do not apply when wind speeds are greater than 10 mph.**
- Add tankmix partner, if needed.

Liberty Guarantee

- Buy branded Liberty from authorized retailer
- Follow guidelines for resistant management
 - Start early with first application
 - Target <3" weeds
 - Optimize coverage
 - Pair with residuals
- Make 2 applications of Liberty

Label Update

New Use Rates for corn and soybeans

CORN

- Maximum rate is now 32 oz/ac
- Seasonal maximum rate is 87 oz/ac
- Apply Liberty from emergence up to V6 growth stage.
- Liberty may be applied with drop nozzles until corn is 36 inches tall.

SOYBEAN

- Use rate is 32-43 oz/ac
- Seasonal maximum rate is 87 oz/ac
- Apply Liberty from emergence up to R1 growth stage.

**Capreno herbicide will
provide tough grass and
broadleaf weed control
with longer
residual all without
glyphosate dependency.**



Use Rate



- Capreno corn herbicide is used at 3 fluid ounces per acre (fl oz/A) for broad-spectrum grass and broadleaf weed control
- Capreno is formulated as a suspension concentrate, with each gallon treating 42 acres of corn at the 3 fl oz rate
- Apply to corn from V1 through the V6 stage of growth





VELUM[®] TOTAL

A NEW INSECTICIDE / NEMATOCIDE

FROM BAYER CROPSCIENCE



Velum Total is not registered by the U.S. Environmental Protection Agency. Registration is pending.

Bayer CropScience

Technical Nuts and Bolts








- **Active Ingredients:** Fluopyram + Imidacloprid
- **Chemical class:** Pyridinyl benzamide + Neonicotinoid
- **Formulation:** Soluble Concentrate (SC) containing:
1.50 lbs. FLUOPYRAM and 2.17 lbs. IMIDACLOPRID per gallon
- **Mode of action:**
 - **Nematodes & Diseases:** Fluopyram
 - SDH-Succinate De-hydrogenase (SDHI) inhibitor (FRAC Group 7)
 - **Insects:** Imidacloprid
 - Nicotinic acetylcholine receptor (nAChR) agonist (IRAC Group 4A)
- **Route of intoxication**
 - Contact and ingestion activity
 - Xylem systemic



Application Information




Application Methods – Row Crop:

-  At plant in-furrow.
-  Chemigation (sub-surface).
-  Perfect fit for variable rate and site specific applications.
-  Cotton – 14 to 18 oz/ac
-  Peanuts – 18 oz/ac

Tank mix:

-  SC formulation is compatible across a wide range of agricultural products.
-  Compatible with all popular peanut inoculants.

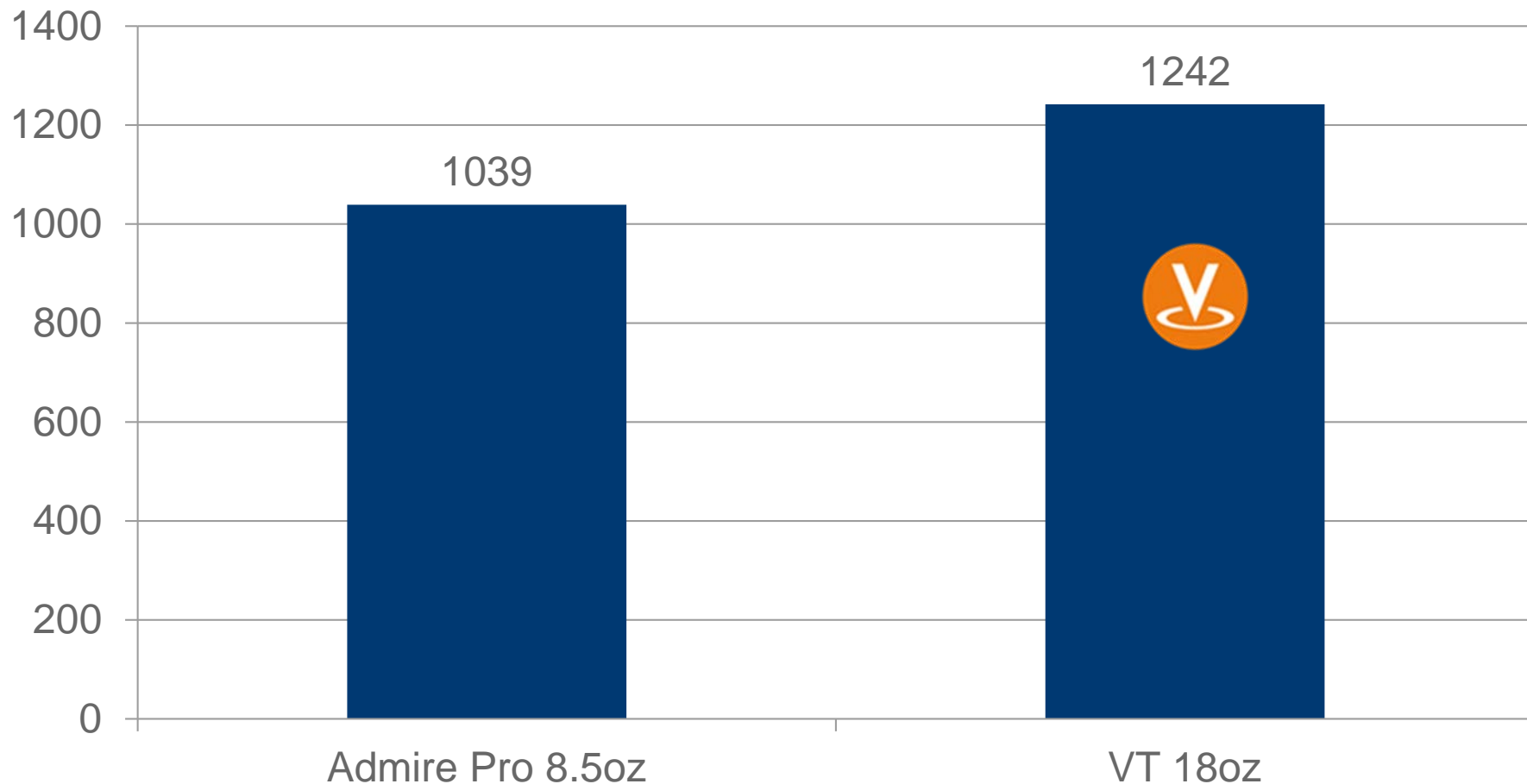
-  **Velum Total does not control** the early season diseases *Pythium sp.* or *Rhizoctonia sp.* and will require a seedling disease fungicide package in cotton (e.g. Allegiance[®], EverGol[®] etc.).

2017 Cotton Yields - Nematodes

LA & MS - (NGF)



Yield – lbs lint/ac

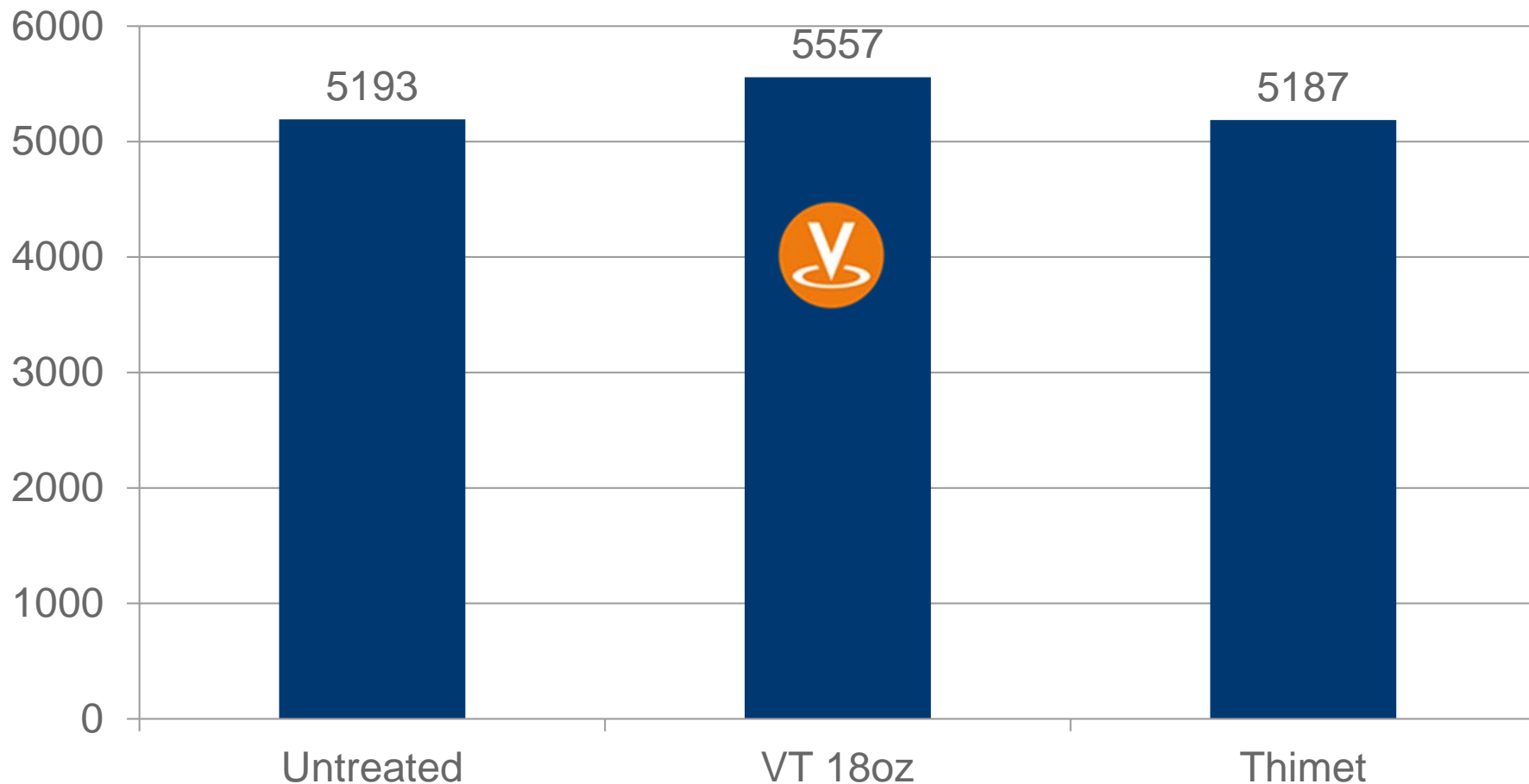


2017 Peanut Yields

Stoneville, MS



Yield – lbs/ac





Science For A Better Life

THANK YOU