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Progress Through Growth

PUTTING GLOBAL SOLUTIONS UNDER ONE ROOF



Largest American Vanguard entity, Global Ag

Turf, Pest and Vector markets

Ag Distribution in Brazil

Ag Distribution in Central America



Biologicals and Micronutrients

Essential Plant Oils

Consumer Green Insecticides

Strategic Sourcing

Greenhouse and Nursery markets

*** Now AMGUARD®**

STRATEGIC GROWTH INITIATIVES



PROVEN CHEMISTRIES

Proven chemistries are at the core of AMVAC.



PRECISION AG TECHNOLOGIES

SIMPAS® is the next evolution in prescriptive application.

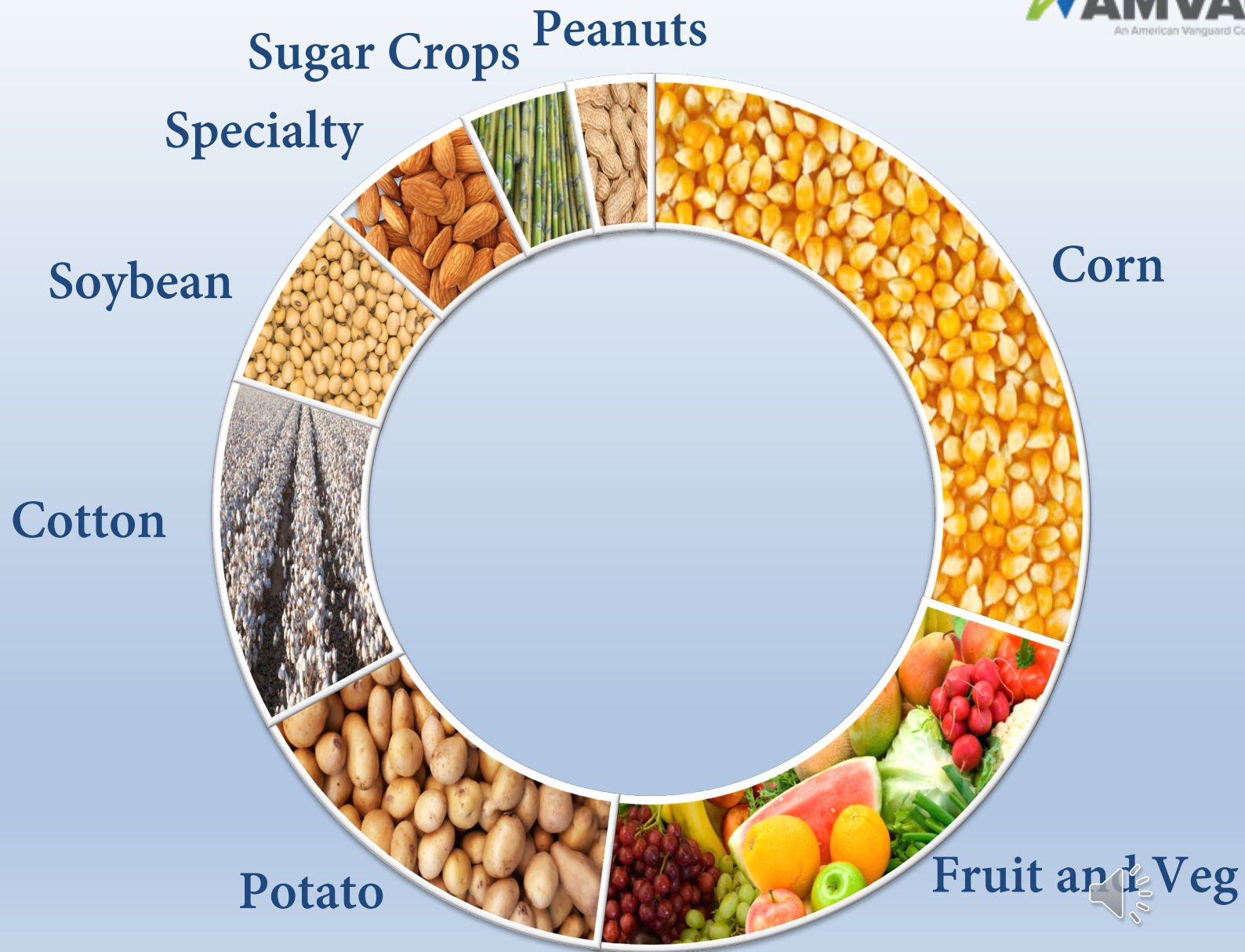


GREEN SOLUTIONS

Our platform of biorationals and specialty nutritionals is growing.



Diversified Crop Mix of Traditional Chemistry and Green Solutions



Active IR-4 Projects

- **ABAMECTIN/HEMP/PR#13048**
 - Started in 2022, complete field work in 2023.
- **FLUMETSULAM/CLOVER seed crop/PR#13062**
 - Started in 2021 – EPA submission in Early 2024
- **QUIZALOFOP**
 - DILL/PR#08690 – submission pending
 - HEMP/PR# 13017
 - Started in 2021, complete field work in 2023 – EPA submission in 2024
 - FIELD PENNYCRESS (OIL SEED)/PR#13213 – to add meal.
 - HOPS/PR#13495 – started in 2023.
- **TRIFLOXYSULFURON/STRAWBERRY/PR# 12500**
 - Pending Submission – final document review with AMVAC and Syngenta



Possible new IR-4 Projects

- NAA
 - Hazelnuts/PR#13065
 - Plum/PR#03523
- ETOXAZOLE/HEMP/PR#13036
 - Valent indicated support
- QUIZALOFOP/BUCKWHEAT/PR#12931



***Trichoderma atroviride* strain SC1**

- Biological fungicide, Registered in the U.S. EPA.
- Will be distributed by AMVAC
- Shown to protect against a broad spectrum of fungal canker pathogens that may infect plants during pruning.
- Label is pending in California for use on Almonds

VintecTM
Fungicide

Vintec is a trademark of





What is SmartBlock[®]

- **Unique biopesticide solution, post-harvest treatment for controlling sprouting in potatoes**
- **Acts by destroying the rapidly-growing meristematic sprout tissue**
- **Registered in the US and Canada. Suitable for use for both fresh-pack and processing potatoes (for chips, French fries etc.)**
- **3-decen-2-one is an unsaturated aliphatic ketone. Approved as a direct food additive worldwide under CODEX**
 - **Occurs naturally in yoghurt, ham, mushrooms & spices**



Biofertilizers

iNvigorate[®]

- Creates a highly productive microbial system in the soil. Promotes availability and absorption of nitrogen, phosphorous and other critical minerals to increase the level of bioavailable nutrients to the crop root system.

B Sure[®]

- Provides a source of time-released nitrogen and amino acids that is highly bioavailable, and complements applied nitrogen, to enhance crop tolerance to environmental and physiological stresses.

UpLift[™]

- A fertility solution that increases crop productivity and supports soil health, contains organic, biologically extracted micronized chitin, amino acids, and other crucial plant nutrients

What is BioWake™?

A patented biological technology developed as a preferred method to deliver beneficial organisms directly to the seed

- Dual-use biological + seed lubricant
- All-in-one planter box solution
- Solution to add beneficial microbes to the soil
- Two distinct products – BioWake for Corn and BioWake for Soybeans



Thank you

