CPS/Loveland APMS Product Update
Jim Meadows - Stuart, FL

Aquatic Weed Control Short Course --- May 7-10, 2018
CPS/Loveland Product Update!

They are still Dancing!!!
Aquatic Approved Products: CINCO

Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops, desirable plants and trees, because severe injury or destruction may result.

ACTIVE INGREDIENT:
Glyphosate*, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt

53.80%

OTHER INGREDIENTS: ........................................................................................................ 46.20%

TOTAL ............................................................................................................. 100.00%

*Contains 648 grams per liter or 5.4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 480 grams per liter or 4.0 pounds per U.S. gallon of the acid, glyphosate.

KEEP OUT OF REACH OF CHILDREN

CAUTION
Aquatic Approved Products: CINCO

Complete Aquatic Label based on the original 5.4lb IPA Glyphosate Formulation

Recommended Adjuvants are LI-700 and Choice Weather Master
Aquatic Products: Approved

**LI-700**: 80/20 Leci-Tech, Penetrant, Acidifier, Drift Retardant and Deposition Aid

**Liberate**: 100/0 Leci-Tech, Penetrant, Drift Retardant and Deposition Aid

**Activator 90**: 90/10 Nonionic Surfactant, Penetrant and Antifoam Agent

**Herbimax**: 83/17 Crop Oil Concentrate Surfactant

**Tactic**: Latex Based Sticker, Organosilicone Surfactant and Deposition Agent

**Choice Weather Master**: Water Conditioning Agent

**Reign**: 1% Polyacrylamide Deposition Aid and Drift Control Agent

**Reign LC**: 30% Polyacrylamide Deposition Aid and Drift Control Agent
**Choice Trio**: Water Conditioning Agent (Sequesters Mg and Other Problematic Elements)

**Vader**: 90/10 Specialty Surfactant, Penetrant, Acidifier, Organosilicone Surfactant, Drift Retardant and Deposition Aid

**MSO Concentrate with LeciTech**: Leci-Tech, Methylated Seed Oil Surfactant, Penetrant, Drift Control and Deposition Aid

**MSO Concentrate Phase**: Methylated Seed Oil & Organosilicone Surfactant/Humectant

**Spreader 90**: 90/10 Nonionic Surfactant, Spreader, Sticker, Alcohol Free Activator

**Tank and Equipment Cleaner**: Aquatic, Agricultural and Industrial Tank and Equipment Cleaner
What's in your Spray Tank Water?
Or Opposites Attract!
Choice Trio Pending:

- Expect Choice Trio Aquatic registration any day...along with others

- Hard water’s positive (+) charged Ca, Mg and Fe elements tie up most herbicide’s in the spray tank, reducing performance. Choice Trio works on many elements.

They are still Dancing!!!
**PERFORMANCE**

**To The Plant** – Drift Reduction with Performance Sized Droplets.

**On The Plant** – Droplet Retention by Adhesion & Spreading.

**In The Plant** – Increased Penetration without Cuticle Disruption.
To The Plant
Drift Reduction with Performance Sized Droplets.
High Drift Potential

Too Large

1000 µ
750 µ
500 µ
375 µ
250 µ
188 µ
125 µ
94 µ
63 µ

Too Small
On The Plant – Droplet Retention by Adhesion & Spreading.
Droplet Retention

Control

2% Glyphosate + 5% Kaolin

2% Glyphosate + 0.25% Liberate + 5% Kaolin

NOTE: Kaolin has dried and is therefore more visible on leaf surface.
In The Plant – Increased Penetration without Cuticle Disruption.
Penetration

RU WM – loaded surfactant package

Makaze – loaded Leci-Tech package

Mirage Plus - loaded surfactant package
2% Glyphosate at 48 Hours

2% Glyphosate & .25% Leci-Tech at 48 Hours
PERFORMANCE

To The Plant – Drift Reduction with Performance Sized Droplets.

On The Plant – Droplet Retention by Adhesion & Spreading.

In The Plant – Increased Penetration without Cuticle Disruption.
Thank you for your attention!
Any questions?

And remember, no matter what you do, you can’t avoid the attraction!!

They are still Dancing!!!