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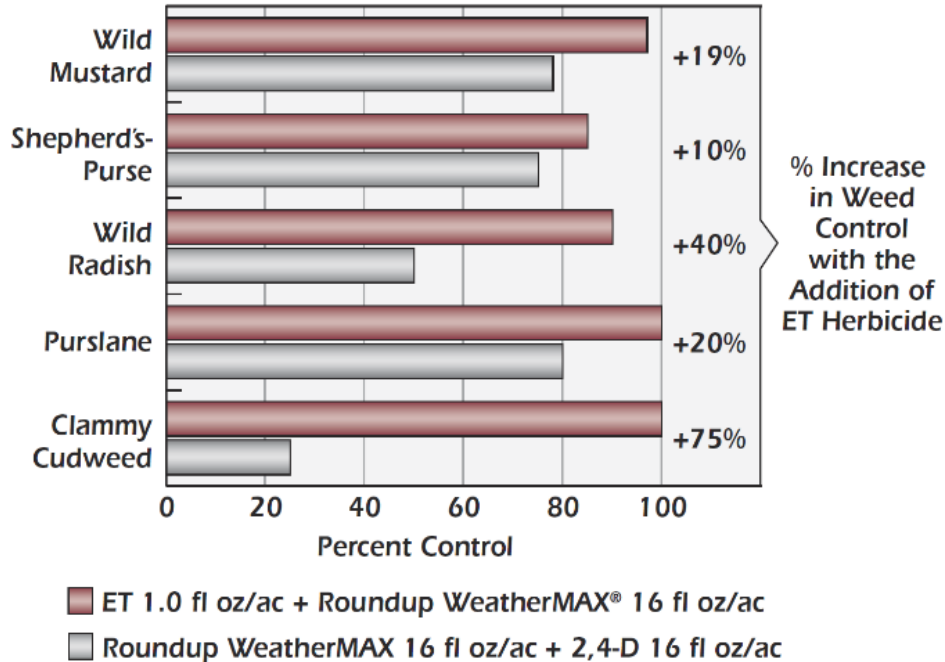


HERBICIDE/DEFOLIANT

- Pyraflufen-ethyl, Group 14
- Herbicide
 - ☐ Fall and Spring burndown (0.5-2.0 fl oz/a)
 - Start clean
 - Conserve planting moisture
 - ☐ Volunteer Cotton Control (2.0 fl oz/a)
 - Excellent control of seedling cotton
 - ☐ Defoliation (1.5 – 2.0 fl oz/a)
 - Preconditioning (0.3 - 0.75 fl oz/a)
 - ☐ Timing – anytime before crop emergence on labelled crops
 - ☐ ET → ETX



ET Versus 2,4-D Efficacy on Winter Broadleaf Weeds



WEED CONTROL PROGRAMS

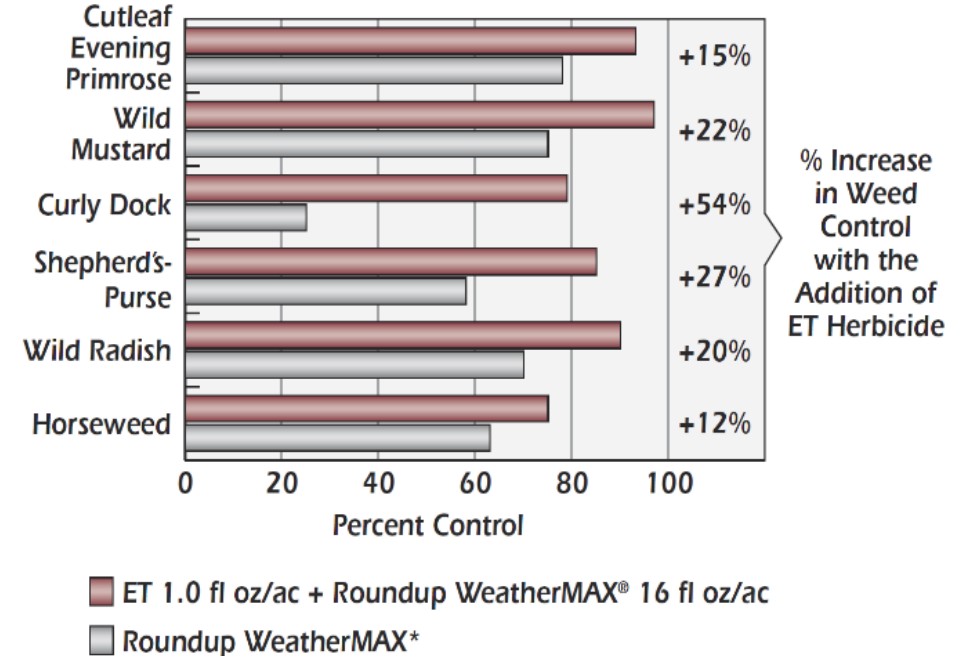
BURNDOWN

ET @ 1.0 to 2.0 fl oz + glyphosate + crop oil

ET @ 1.0 to 2.0 fl oz + 2,4-D + crop oil

ET @ 1.0 to 2.0 fl oz + (glufosinate or dicamba or paraquat) + crop oil

ET + Roundup Efficacy on Winter Broadleaf Weeds



BURNDOWN + RESIDUAL PROGRAMS

ET @ 1.0 to 2.0 fl oz + glyphosate + residual herbicide

ET @ 1.0 to 2.0 fl oz + glufosinate + residual herbicide

ET – Cotton replanting - volunteer cotton removal





Orthosulfamuron

- 2.1 oz product per acre
- Hemp sesbania, Jointvetch, Rice flatsedge, Red stem ammania



Orthosulfamuron + halosulfuron

- 2.08 – 2.5 oz product per acre
- 2.5 oz/a is Equivalent to 2.1 oz Strada + 0.375 oz Permit
- 2.5 oz Prevents heading on large black seeded broadleaves
- PHI 48 days
- + yellow nutsedge



Orthosulfamuron + quinclorac

- 8 - 10 oz product per acre
- 10 oz Strada XT2 = 2 oz Strada + 32 fl oz Facet L
- + Barnyard grass, broadleaf signalgrass, pitted morningglory



Sheath blight control



Flutolanil – resistant sheath blight control

- FRAC 7



PORTAL[®]

MITICIDE/INSECTICIDE

Cotton and vegetables
(16 – 32 fl oz/acre)

- Fenpyroximate – insecticide/miticide
 - IRAC 21A

5.0% EC

Active Ingredient Per Gallon:	0.4 lbs a.i./gallon
Signal Word:	Warning (Reduced Risk)
Chemical Family:	METI Site 1
Insecticide Classification Group:	21A
Degradation:	Primarily photo
Activity	Contact





- **IRAC Group:** 9B Insecticide

- Afidopyropen 9D

- **MOA:** (Chordotonal Organ TRPV Channel Modulators)

- **Target Site :** TRPV (Transient Receptor Potential Vanilloid) ion channel protein complex
- **Responsible for balance, hearing, and coordination**
- **Over stimulation of stretch receptors result in disruption of insect movement and feeding**

- **Symptoms of intoxication**

- Flight impairment
- Loss of coordination
- Feeding inhibition

- **No cross resistance with other MoA**



	oz/a
☐ Cotton	1.6-3.2
☐ Fruiting vegetables	2.4-3.2
☐ Leaf Petiole Veg.	2.4-3.2
☐ Leafy vegetables	2.4-3.2
☐ Brassica	2.4-3.2
☐ Cucurbits	2.4-3.2
☐ Watermelon	2.4-3.2
☐ Tree Nuts	2.4-3.2
☐ Tuberous & Corm	2.4-3.2
☐ Citrus	6.4
☐ Grapes	3.2
☐ Pome fruit	2.4-3.2
☐ Potato	2.4-3.2
☐ Stone Fruit	2.4-3.2



- **flutianil –powdery mildew**
 - **FRAC U13**
 - **Quarts**
 - **8/ case**

6-8 oz/a

Apples

Berry Low Growing (13-07G)

Cherry

Hops

Melon 9A, Squash/Cucumber 9B

6.4 oz/a

Small Fruiting Vine Climbing(3-07F)



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