

Postemergence Contact Herbicide Evaluation for Municipal Use in Response to Community Concerns

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UC IPM

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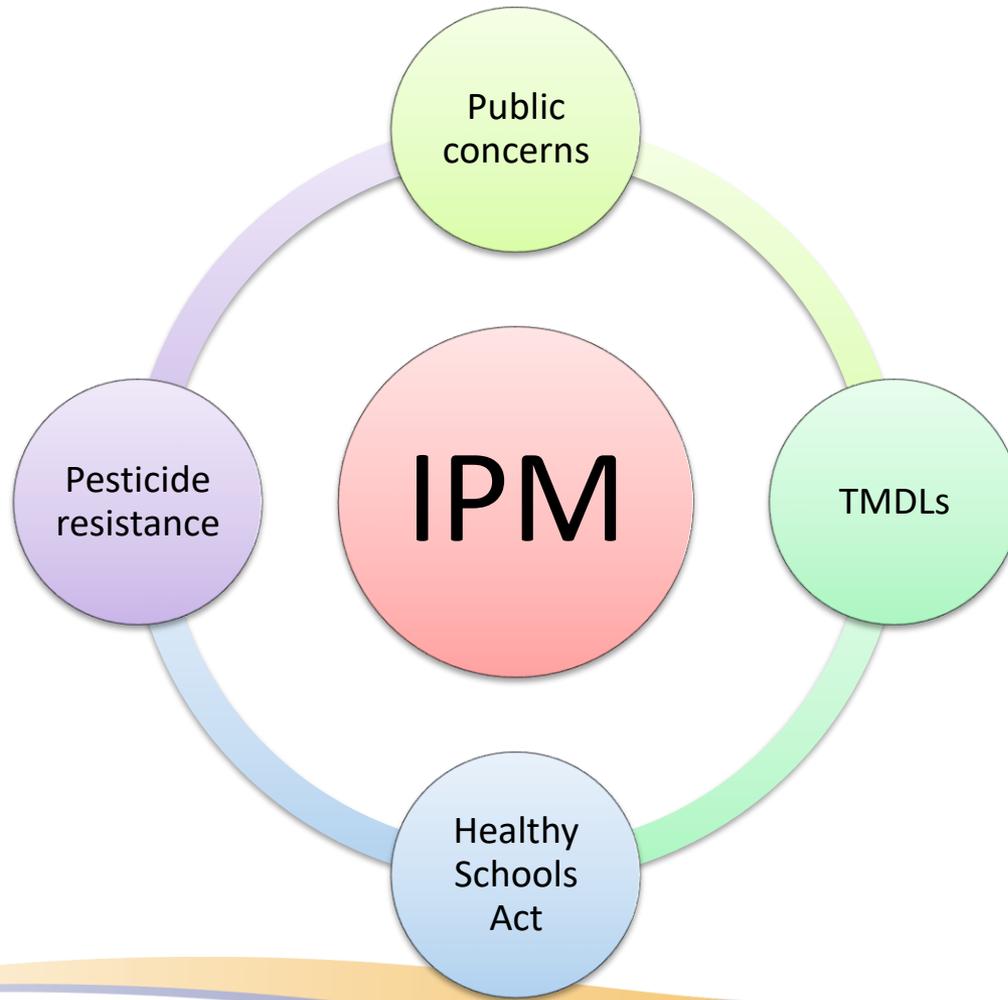


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■ Integrated Pest Management Program

The regulatory and public's atmosphere that has evolved



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August 2016 Treatments and Rates

Roundup Pro	Caution	48.7% glyphosate		1.5%
Suppress*+	Warning	32% capric acid	47% caprylic acid	6%
Finale ⁺⁺	Warning	11.33% glufosinate-ammonium		10ml/1000ft ²
WeedPharm*	Danger	20% acetic acid		neat
AvengerAG*	Caution	55% limonene		14%
AXXE*	Warning	40% ammonium nonanoate		3%
WeedZap*	25 (b)	45% clove oil	45% cinnamon oil	5%
Burnout II*	Danger	8% clove oil	24% citric acid	25%
Scythe	Warning	3% nonanoic acid, other related	57% nonanoic acid	5%
Fiesta**	Caution	26.52% iron hedta		4%
FinalSan*	Warning	22% free fatty acids and/or amine salts		16.7%

*organic or listed as “organic” on label

**biopesticide

+acidified to pH6

⁺⁺recently registered product (Leopard) with w/same a.i. but has a “caution” label

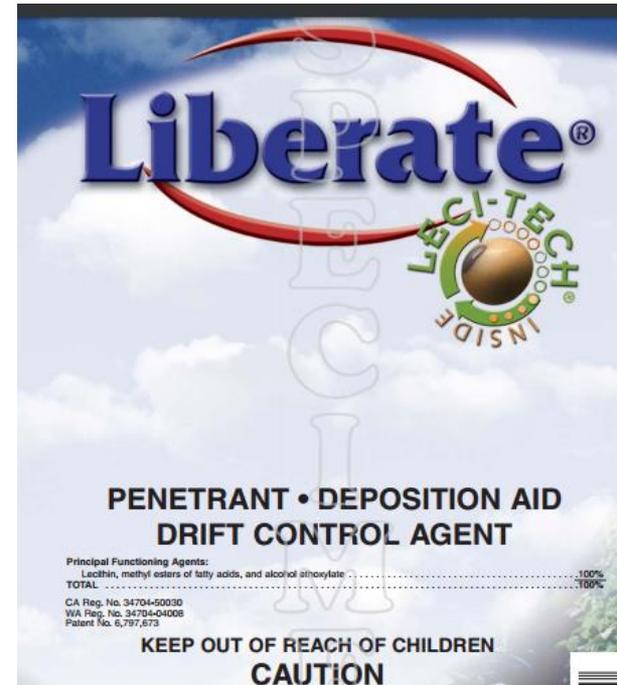
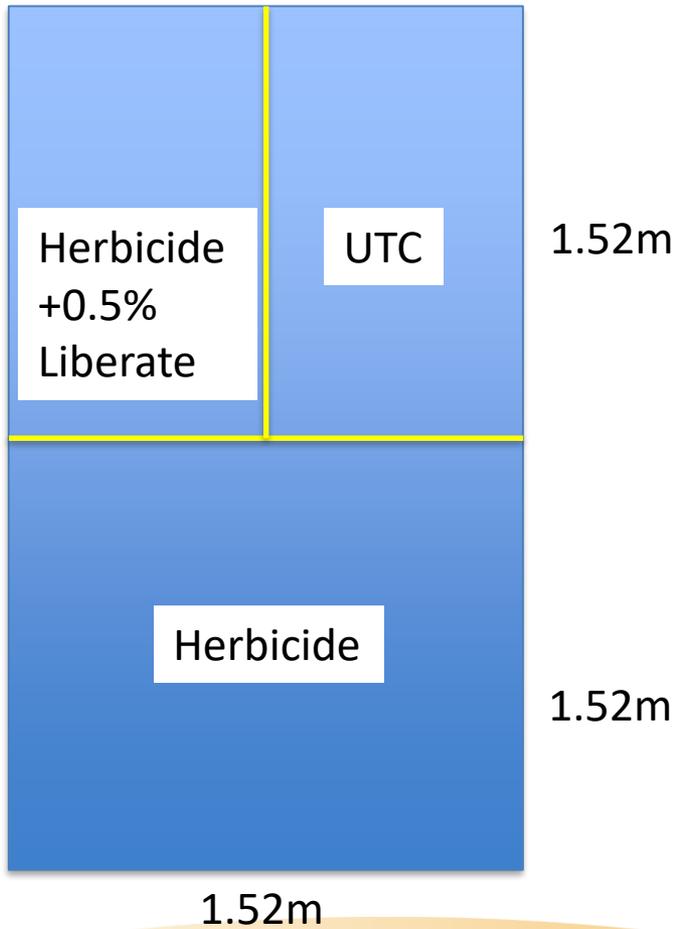


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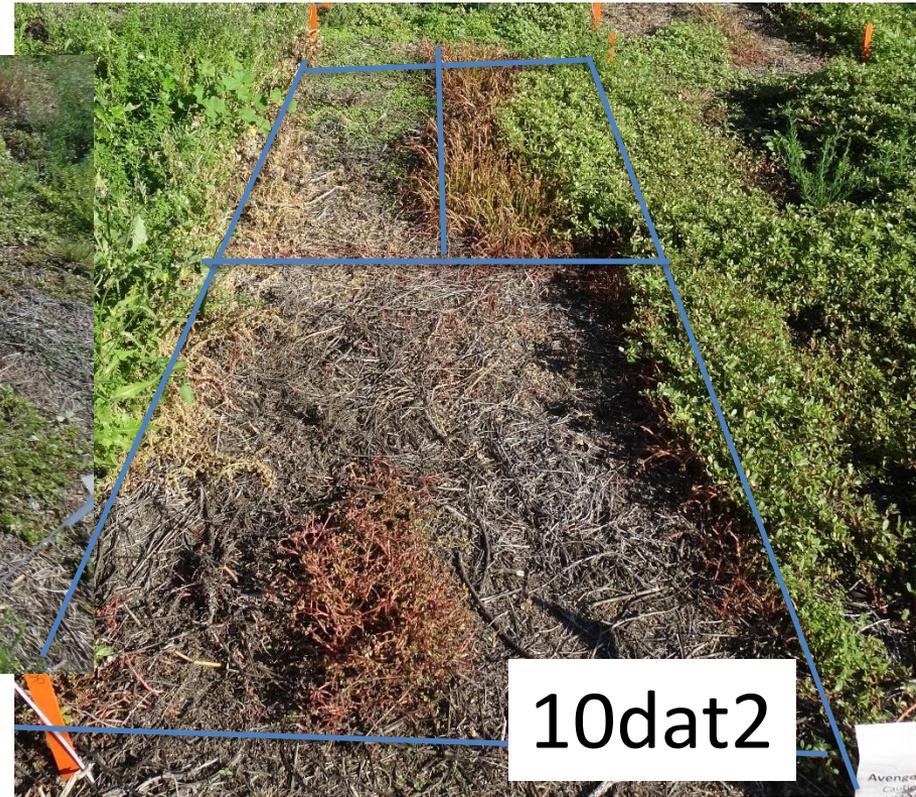
8004E	40PSI CO ₂ backpack	Applied 8/22/2016 and 9/10/16
	842 L/ha [90GPA]	4 reps CRD
Liberate 0.5%		Most seedlings in cotyledon stg (1 st app)



Finale



7dat1

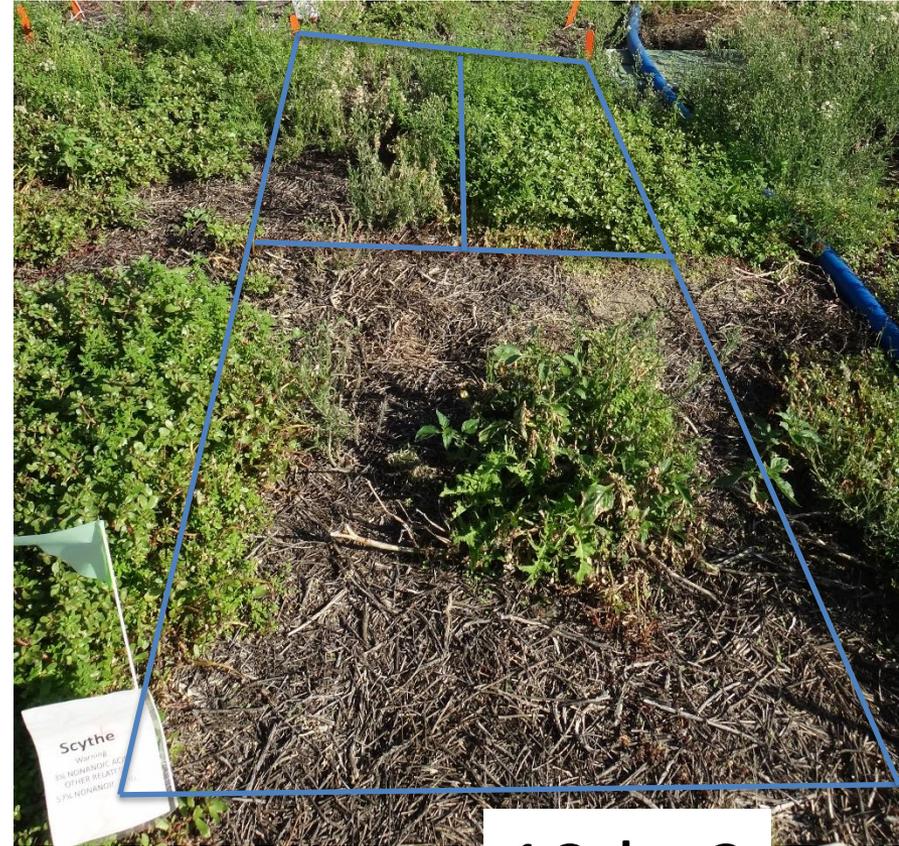


10dat2

Scythe



7dat1



10dat2



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Weedzap



7dat1



10dat2



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Avenger

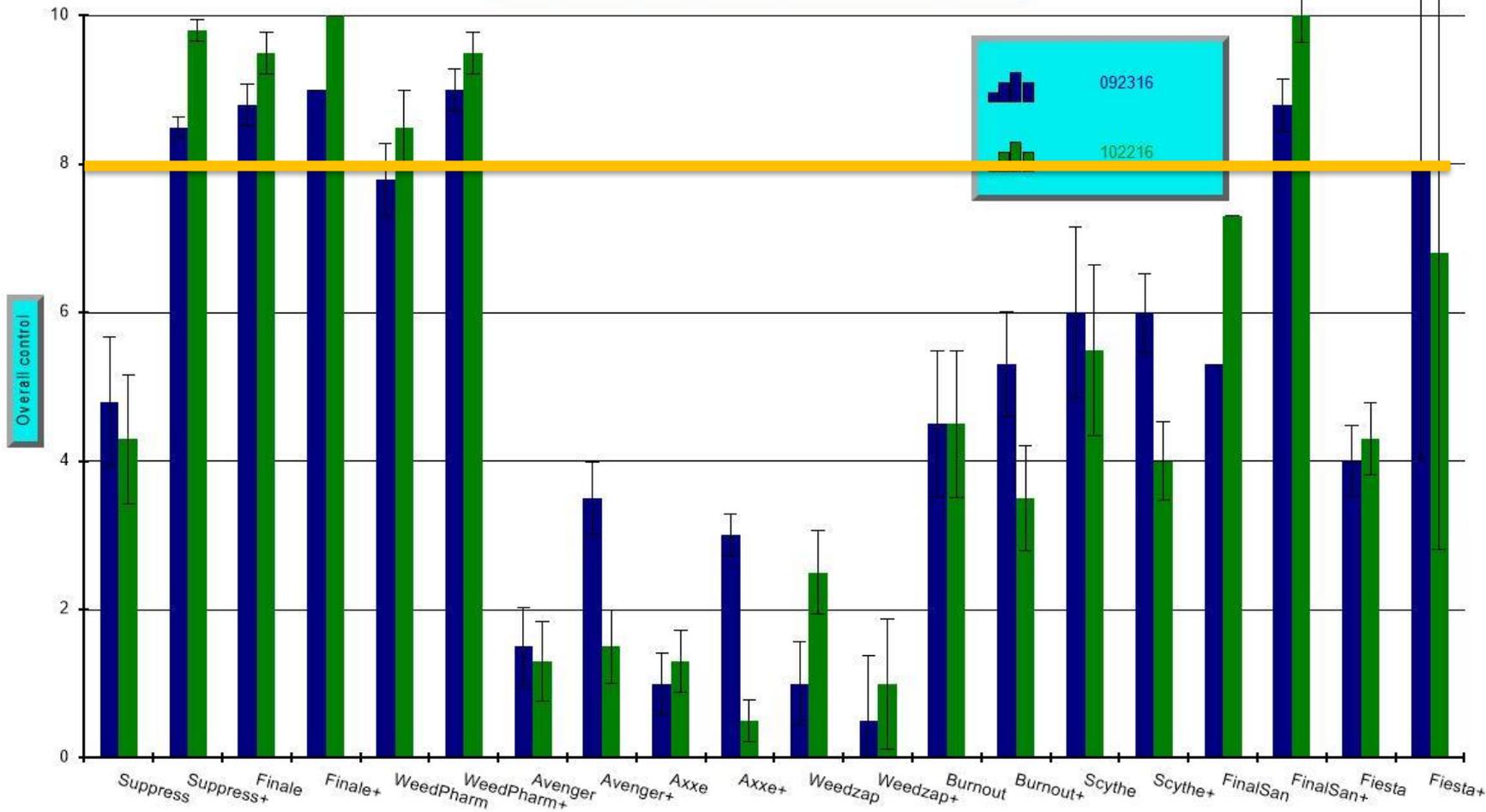


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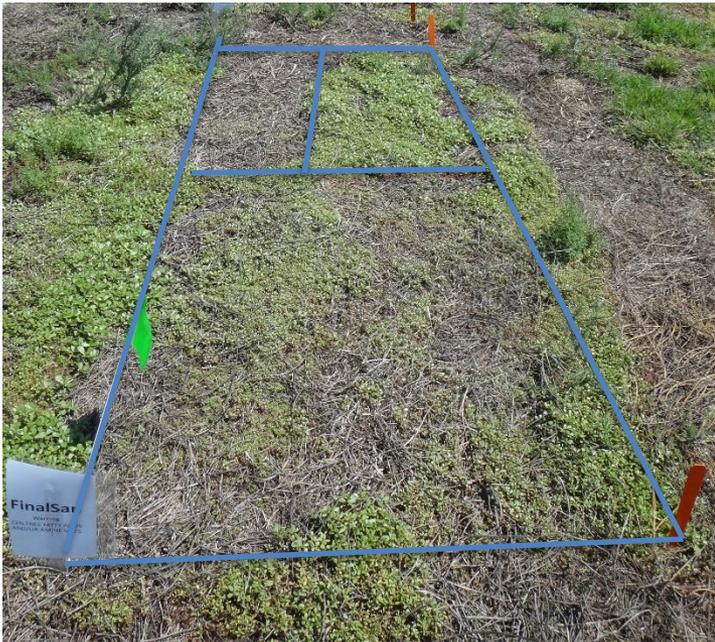


10dat2

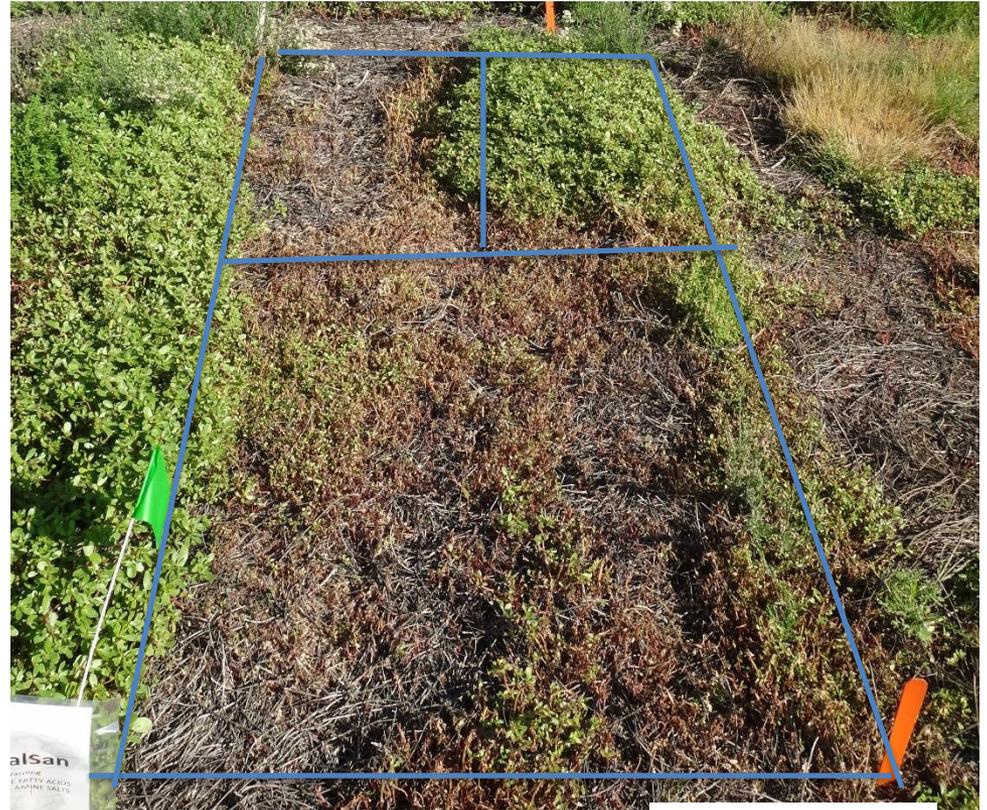
Overall Control Rating (0=no control, 10=100%control)



Finalsan



7dat



10dat2

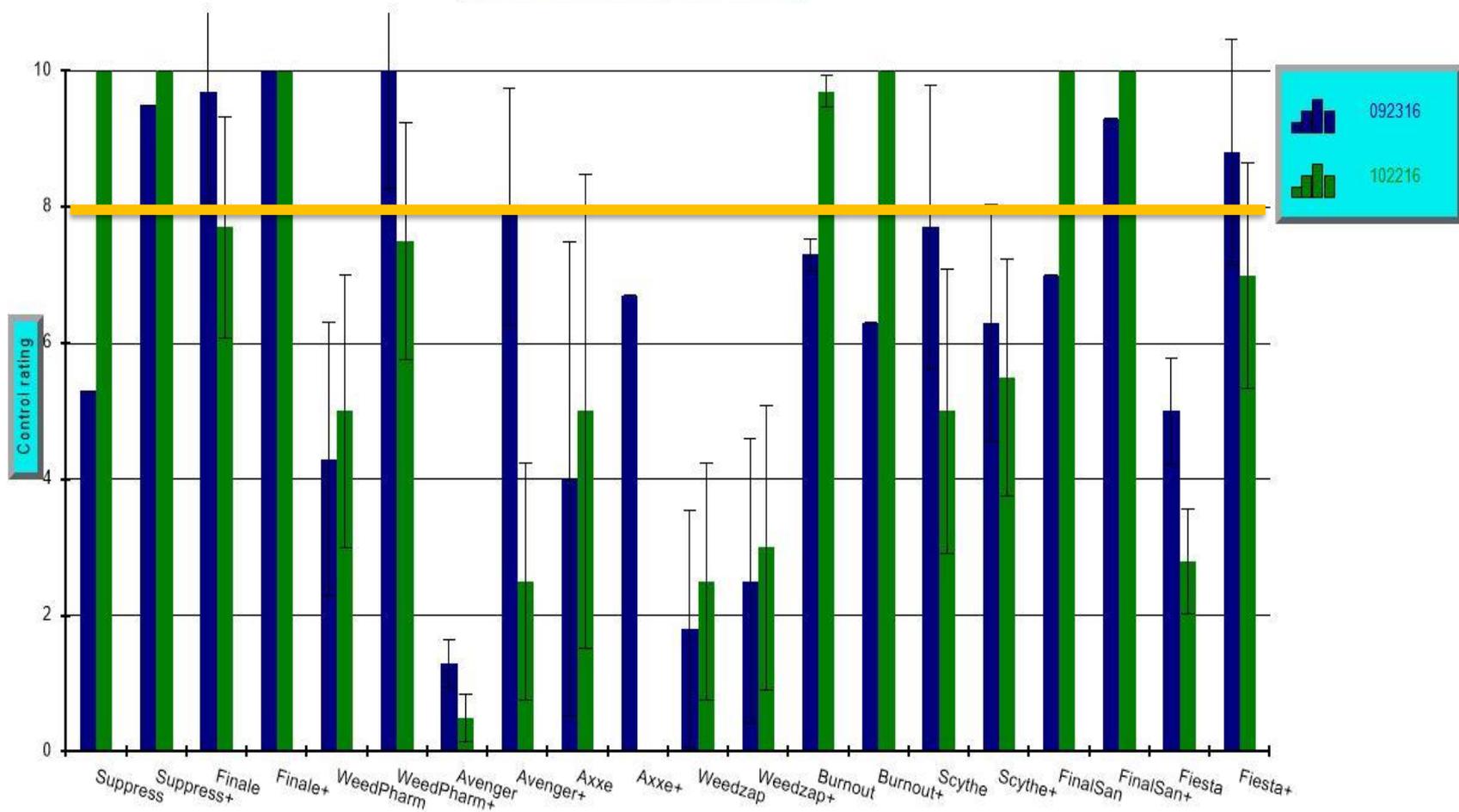


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Common Purslane Control (0-10)



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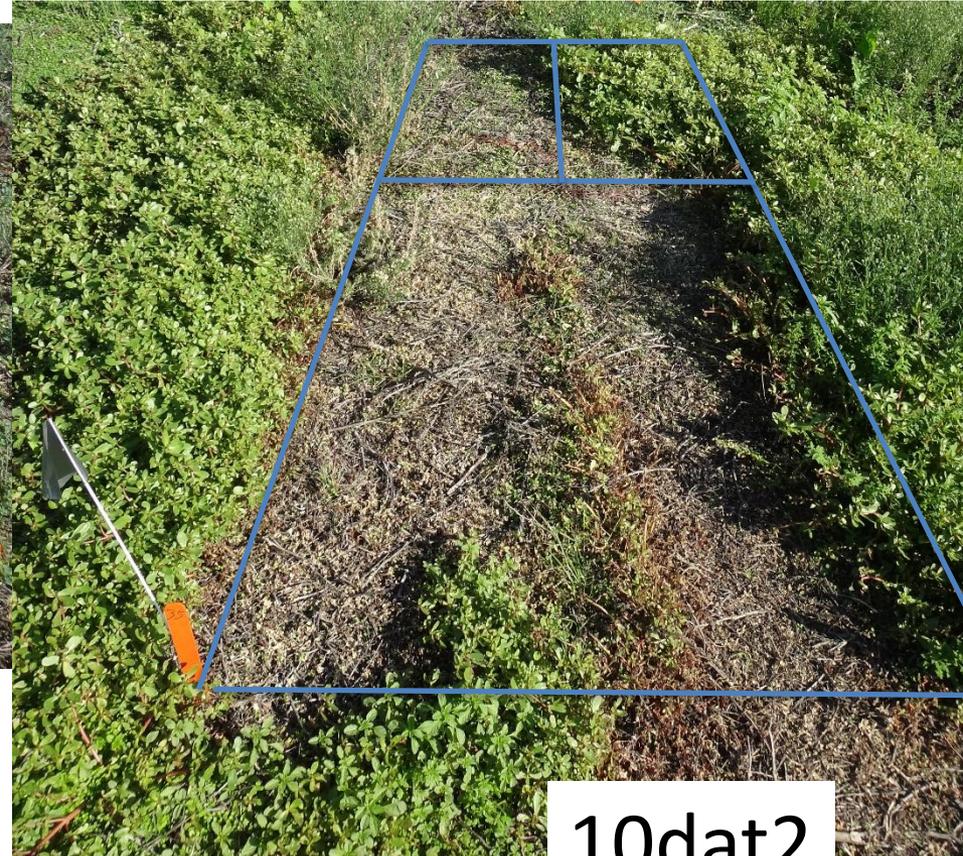
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Suppress



7dat1



10dat2



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WeedPharm



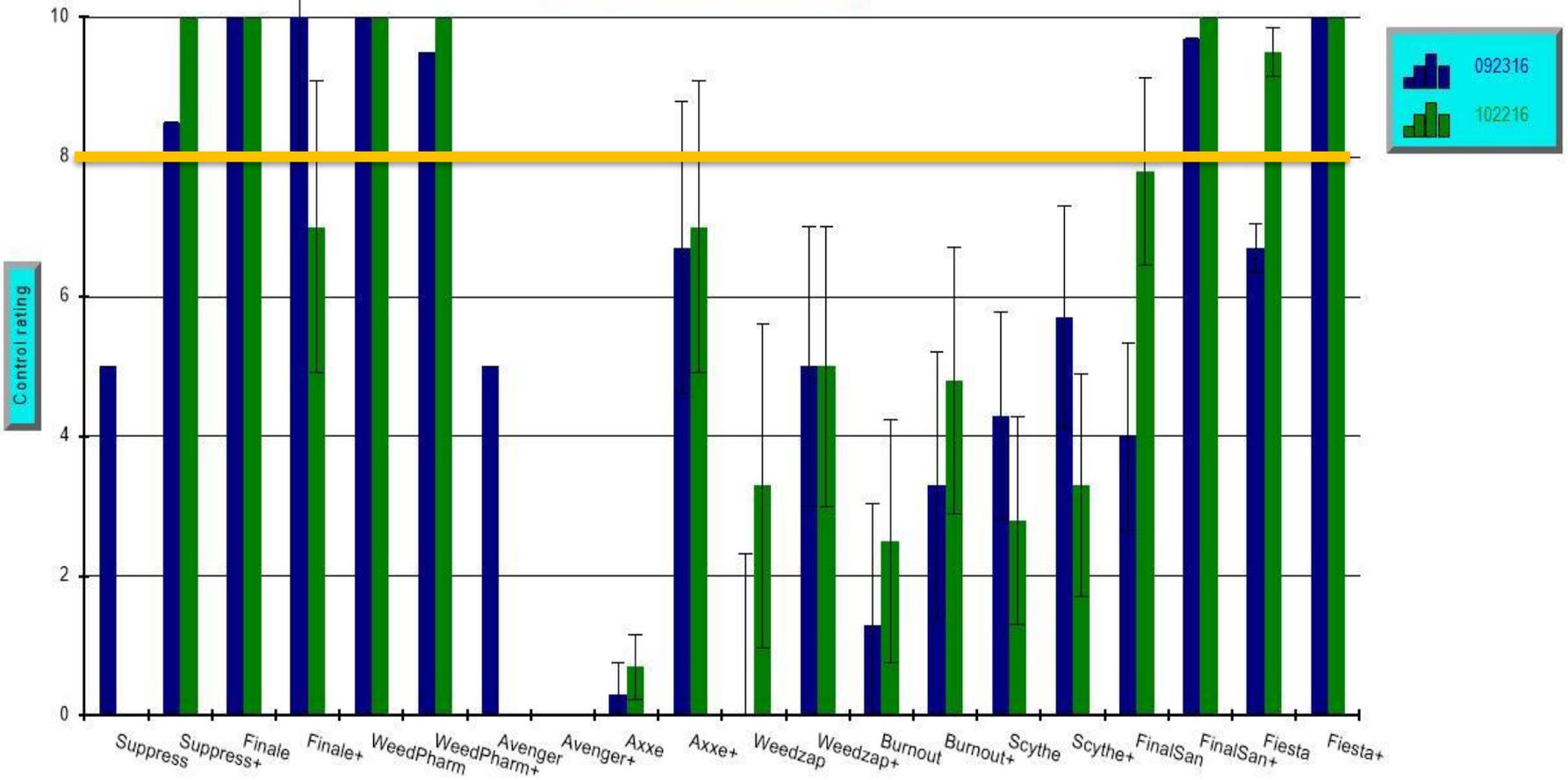
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Hairy Fleabane Control (0-10)



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Fiesta



7dat1



10dat2



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August 2016 Cost/1000Ft²

Roundup Pro	Caution	48.7% glyphosate		\$69.99	2.5 gal	\$0.87
Suppress	Warning	32% capric acid	47% caprylic acid	\$150	2.5 gal	\$7.49
Finale	Warning	11.33% glufosinate-ammonium		\$175	2.5 gal	\$2.17
WeedPharm	Danger	20% acetic acid		\$29.95	gal	\$7.80
AvengerAG	Caution	55% limonene		\$157.26	2.5 gal	\$18.53
AXXE	Warning	40% ammonium nonanoate		\$195.02	2.5 gal	\$4.84
WeedZap	25 (b)	45% clove oil	45% cinnamon oil	\$124.35	gal	\$12.84
Burnout II	Danger	8% clove oil	24% citric acid	\$135.00	2.5 gal	\$27.91
Scythe	Warning	3% nonanoic acid, other related	57% nonanoic acid	\$178.98	2.5 gal	\$7.39
Fiesta	Caution	26.52% iron hedta		\$250.95	2.5 gal	\$8.15
FinalSan*	Warning	22% free fatty acids and/or amine salts		\$94	2.5 gal	\$12.94

*w/surfactant is much better



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