



AGXALT™ PESTICIDE FORMULATIONS



FLUROXYPYR-MEPTYL BROADLEAF HERBICIDES

Fluroxypyr-meptyl is a systemic and selective post-emergent herbicide that is traditionally used to control annual and perennial broadleaf weeds and woody brush. AgXalt™ is a powerful polar solvent which offers excellent active solubility and emulsion stability for Fluroxypyr-meptyl EC formulations. AgXalt™ is non-toxic by all means of exposure which offers formulators outstanding performance along with an improved formulation safety profile.

REPRESENTATIVE AGXALT™ FORMULATION

Component	Wt.%
Fluroxypyr-meptyl, 98.56%	39.87
AgXalt™	17.63
Aromatic 200	17.5
Propylene Glycol	5
NINATE® 60E	6
NINEX® MT-615	6
TOXIMUL® 8240	8

*Wt. % defined as wt. /wt.%

TEMPERATURE STABILITY

Temperature	Appearance	pH
Room Temperature	Clear, homogenous	5.5
Weeks 54°C	Clear, homogenous	4.4
2 Weeks 4°C	Clear, homogenous	5.5
5 Freeze Thaw Cycles	Clear, homogenous	5.4

Condition	Interval	%	% of Ambient
Ambient	N/A	39.52	N/A
F/T	5 Cycles	39.26	99.35
54°C	14 Days	39.67	100.37

*F/t defined as freeze-thaw temperature cycles

EMULSION STABILITY

Separation, 95/5, 10 INV.

Condition	Water Hardness, ppm	15 min	30 min	1 hr	2 hr	24 hr	300 µm Sieve
Initial	50	0	0	0	0	tr c	Pass
	342	0	0	0	0	0	Pass
	1000	0	0	0	0	0	Pass
54°C	50	0	0	0	0	0.5c	Pass
	342	0	0	0	0	0	Pass
	1000	0	0	0	0	0	Pass
4°C	50	0	0	0	0	0.5c	Pass
	342	0	0	0	0	0	Pass
	1000	0	0	0	0	0	Pass
F/T	50	0	0	0	0	tr c	Pass
	342	0	0	0	0	0	Pass
	1000	0	0	0	0	0	Pass

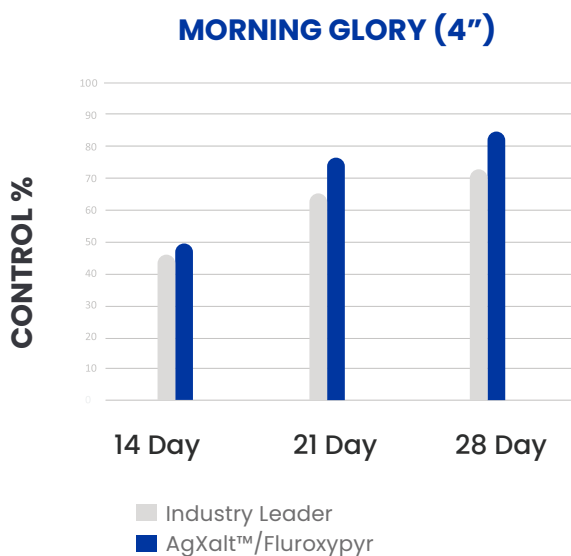
*trc defined as observations of trace cream formation

*95/5 defined as 5% dilution into 95% water followed by 10 inversions

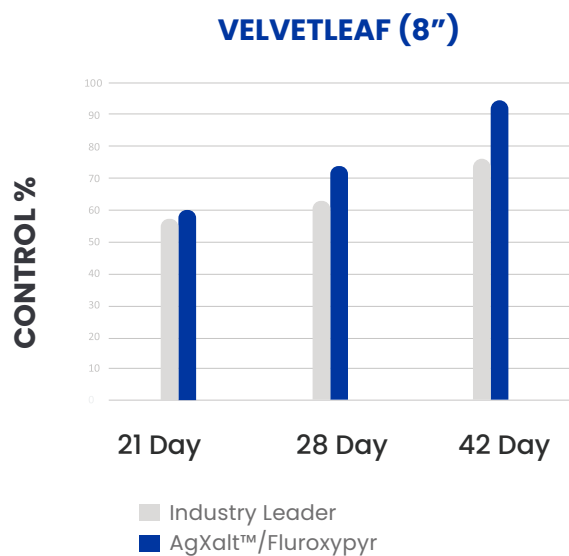
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Gaylord Chemical's AgXalt™ formulations are shown to perform as well or better than the leading fluroxypyr-meptyl formulations currently on the market today. AgXalt™ replaces more hazardous solvents, such as NMP, in these and other formulations with no impact to formulation stability or performance while exhibiting no signs of phytotoxicity or adverse effects on target crop as a standalone solvent at any application rate studied.

GREENHOUSE STUDY SHOWING FLUROXYPYR-MEPTYL PERFORMANCE ON MORNING GLORY 4" AND VELVETLEAF 8"



%Control indicates the herbicide formulation's ability to inhibit subject's growth



%Control indicates the herbicide formulation's ability to inhibit subject's growth

Gaylord Chemical offers technical and formulation support
for customers interested in working with AgXalt™.



Gaylord
Chemical
Company, L.L.C.

gaylordchemical.com
800.426.6620

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