



AGXALT™ X-100 BASED 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™ X-100 is a powerful polar solvent which offers excellent active solubility and emulsion stability for Fluroxypyr-meptyl EC formulations. AgXalt™ X-100 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™ X-100	17.63
Aromatic 200	17.5
Propylene Glycol	5
Calcium alkylbenzene sulfonate	6
Fatty acid ethoxylate	6
Castor oil ethoxylate	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

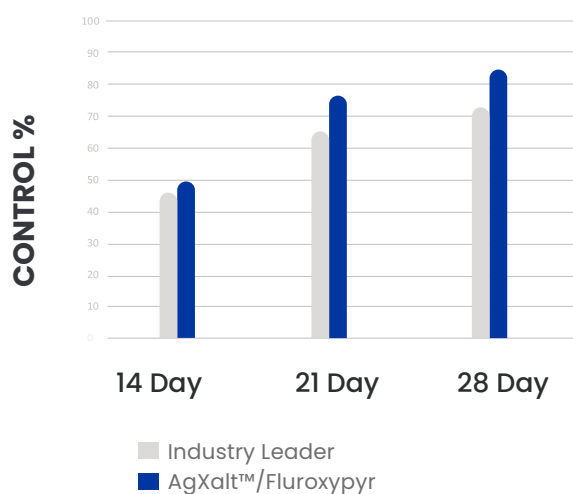
*95/5 defined as 5% dilution into 95% water followed by 10 inversions

FLUROXYPYR-MEPTYL BROADLEAF HERBICIDES

Gaylord Chemical's AgXalt™ X-100 formulations are shown to perform as well or better than the leading fluroxypyr-meptyl formulations currently on the market today. AgXalt™ X-100 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.

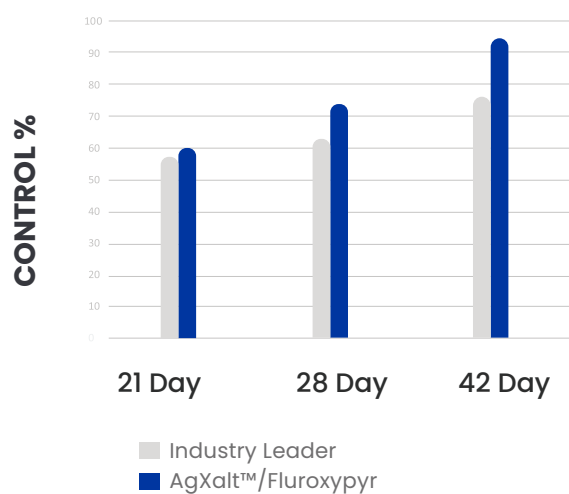
GREENHOUSE STUDY SHOWING FLUROXYPYR-MEPTYL PERFORMANCE ON MORNING GLORY 4" AND VELVETLEAF 8"

MORNING GLORY (4")



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

VELVETLEAF (8")



%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

DISCLAIMER: Gaylord does not warrant that the products described herein are suitable for any particular uses. Persons using the products must rely on their own Independent Technical and Legal Judgment, and must conduct their own studies, Registrations, and other related activities, to establish the safety and efficacy of their end products incorporating any Gaylord products for any application. Nothing set forth herein shall be construed as a recommendation to use any Gaylord product in any specific application or in conflict with any existing patent rights. Gaylord reserves the right to withdraw any product from Commercial Availability and to make any changes to any existing Commercial or Developmental Product. Gaylord expressly disclaims, on behalf of all Gaylord Affiliates, any and all Liability for any damages or injuries arising out of any activities relating to the use of any information set forth in this presentation, or the use of any Gaylord products.