



May 17, 2011

Tank Mix Partners

AGRONOMY TOPIC OF THE WEEK

This week's agronomy topic of the week will focus on tank mix partners with glyphosate in corn. We are seeing some resistance across the country to glyphosate. We need to start being diverse in our selection of herbicides so we can stay ahead of the curve with glyphosate resistant weeds. Weeds will not be a problem if controlled correctly. Below highlights some of the products that are on the market for you to use on tough fields that have weed trouble.

Laudis

- Low use rate of 3 oz on sweet corn and 3-6 oz on field corn. Can be applied from emergence to V8 on field corn and V7 on sweet corn.
- Laudis at 3 fl oz/A in tank mix with glyphosate on glyphosate-tolerant corn hybrids improves control of water hemp, pigweed, lambs quarters, velvetleaf, ragweed, amaranths, and large, stressed, or otherwise difficult to control weeds as well as added residual.
- Laudis can be used on sweet corn, field corn, seed corn, white corn and popcorn. This makes it a very flexible product without fear of injuring or hurting any type of corn.

Callisto

- Low use rate of 3 oz to the acre. Can be sprayed on corn up to 30 inches tall.
- Callisto is a post-emergence corn herbicide designed to tackle the toughest broadleaf weeds in corn, such as water hemp, velvetleaf, ragweed's, common lamb's quarters and pigweed.
- Callisto controls weeds by both foliar and residual activity. The foliar activity takes care of susceptible weeds that are present in the field at application, and the residual activity lasts up to four weeks — through crop canopy.

Halex GT

- Typical use rate is 3.6-4 pints per acre.
- It is a Roundup with residual product. It contains Touchdown, which is glyphosate, Callisto, and also Dual. This is a great product because it has 3 modes of action and controls broadleaves and grasses alike while providing instant knockdown power and a great residual which everyone is looking for.

Weed height at time of glyphosate application	Corn yield loss vs. weed-free	bu/A lost (Goal - 180 bu/A)	\$/A lost (Corn @ \$3.00/bu)
2"	7%	12.6	\$37.80
4"	6%	10.8	\$32.40
6"	7%	12.6	\$37.80
9"	9%	16.2	\$48.60
12"	21%	37.8	\$113.40

Data summarized by S. Gower & M. Loux from The Ohio State University, came from 11 states, 35 university sites in IA, IL, IN, KY, MI, MO, OH, PA.