Study Name: Common mallow control with herbicides applied post-harvest (0753)

Objectives: Evaluate several herbicides for post-harvest control of common mallow

Results:
A study was conducted in wheat stubble near Minot, ND to determine the effect of herbicides applied post-harvest for common mallow control. Herbicides were applied on September 17, 2007. Most common mallow plants were larger and hardened off by dry, hot conditions in the weeks preceding application. Most plants were nearing maturity and were 4-12 inches in diameter. Individual plots were 10 by 30 feet. Treatments were evaluated for percent control about three weeks after application.

Glyphosate alone or with Vision (dicamba) provided poor mallow control. "Bronate + Starane + Affinity + NIS" and "WideMatch + MCPA" provided some mallow suppression (59-63%). Liberty provided fair control (73%) as initial burndown was good, but plants tended to have some regrowth. The best mallow control was provided by an BAS 800 applied alone or tank mixed with glyphosate (85% control). BAS 800 is an experimental herbicide being developed by BASF.

			Common mallow
			% control
Treatment[a]	Rate	Timing	Oct 8
Bronate + Starane + Affinity	1 pt + 0.5 pt + 0.3 oz	Post-harvest	59
Glyphosate	0.375 lb ae	Post-harvest	30
Glyphosate + Vision	0.375 lb ae + 4 fl oz	Post-harvest	28
BAS 800 + Glyphosate + Agridex	2.85 fl oz + 0.375 lb ae + 1%	Post-harvest	85
BAS 800 + Agridex + AMS	5.7 fl oz + 1% + 1%	Post-harvest	85
WideMatch + MCPA	1 pt + 0.5 pt	Post-harvest	63
Liberty + AMS	28 fl oz + 1%	Post-harvest	73
Untreated			0
LSD			
CV			

[a] *All glyphosate treatments applied with 1% AMS; Affinity treatment applied with 0.25% NIS.*