

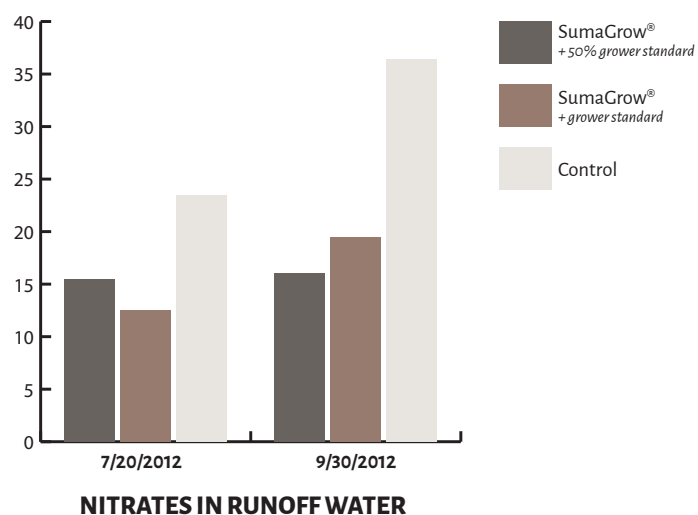
TRIAL RESULTS EXECUTIVE SUMMARY

WATER/NITRATE RUNOFF

Research on the effect of Products containing SumaGrow® on Water
& Nitrate Runoff



WATER RESULTS				
Treatment:	Runoff (Gallons) on 7/20	Runoff (Gallons) on 9/30	Nitrates in Runoff on 7/20	Nitrates in Runoff on 9/30
SumaGrow® + 50% grower standard	36.5	16.0	15.5	16.0
SumaGrow® + grower standard	40.0	19.5	12.5	19.5
Grower Standard	77.0	37.0	24.0	37.0
Decrease using SumaGrow® + 50% grower standard	-52.6%	-56.8%	-35.4%	-56.8%



TRIAL SUMMARY:

The validation testing at the Arise Research and Discover Facility, a specialized testing facility in Eastern Illinois, was performed primarily to determine the effect of a product containing SumaGrow® on the amount of tile runoff and the percentage of nitrates contained in the runoff water.

There were five test plot covered by this report; one control plot using the state recommended amount of conventional fertilizer (grower standard); two plots treated with a product containing SumaGrow® and 100 percent grower standard; and two plots treated with a product containing SumaGrow® and 50% grower standard.

The findings are significant. Both the SumaGrow® treatments decreased the amount of runoff water dramatically. Perhaps more importantly, the nitrates in the runoff water were significantly reduced as well with SumaGrow + 50% grower standard reducing nitrates by an average of 46.09 percent and SumaGrow + grower standard reducing nitrates by 47.61 percent compared to the conventionally fertilized control plot.

