

Adjuvants in maize

Basic treatments in maize [no. of applications]	Main active substances	Recommended adjuvants	Key benefits
glyphosate pre-emergence (couch grass and early emerging annual weeds) [1]	glyphosate	AS Premium + Zero Foam	<ul style="list-style-type: none"> • 30%-50% higher efficacy or • possible reduction of glyphosate herbicide rates by 30% (lower costs) • no adjacent crop injury and no environmental pollution • higher yields and profits
pre-emergence herbicides [1]	atrazine, cyprosulfamide, dimethenamid-P, isoxaflutole, mesotrione, pendimethalin, s-metolachlor, terbuthylazine, thiencarbazone-methyl	Atpolan Soil Maxx Premium	<ul style="list-style-type: none"> • reduced herbicide off-site drift • increased uptake of herbicide by weeds, also in drought • reduced leaching of herbicides from the weed germination zone - no crop injury and environmental pollution • higher and longer efficacy of soil-applied herbicides • higher yields and profits
post-emergence herbicides [1]	2,4-D, atrazine, bentazon, bromoxynil, dicamba, florasulam, flufenacet, fluroxypyr, foramsulfuron, lodosulfuron-methyl-sodium, mesotrione, rimsulfuron, sulcotrione, terbuthylazine, thiencarbazone-methyl	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of herbicides (10%-30%) ensuring control of hard to control weeds or • possible reduction of rates by 30% resulting in no plant growth inhibition • maintained efficacy of herbicides in adverse conditions (esp. drought) • no adjacent crop injury and no pollution of the environment • higher yields and profits
insecticides (e.g. aphids, European corn borer, western corn rootworm) [1]	beta - cyfluthrin, lambda - cyhalothrin, deltamethrin, chlorantraniliprole	Ento Maxx pH⁻ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy • possible reduction of insecticide rates by 30% while maintaining the same high efficacy level • up to 20 % reduced spray drift – improved safety of insecticide applications • higher yields and crop quality, higher profits
spray tank cleaning [2]	-	Clean Max	<ul style="list-style-type: none"> • safety of the following applications - certainty of no pesticide residues in a spraying systems • no crop loss / contamination and resulting compensations • prolonged longevity of plant protection equipment • lower costs and higher profits

