

Adjuvants in sugar beets

Basic treatments in sugar beets [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 soil applied and foliar herbicides [1]	metamitron, lenacil	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 soil applied and foliar herbicides [3]	desmedipham, phenmedipham, chloridazon, metamitron, lenacil, ethofumesate, quinmerak, triflusalufuron, foramsulfuron, thiencazone-methyl, graminicides: fluazi- fop-P-butyl, clethodim, quizalofop-P and other	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of herbicides (10%-30%) and/or possible reduction of rates by 30% • higher efficacy of herbicides in adverse weather conditions (drought) • no injuries of adjacent crops and no pollution of the environment • higher yields and profit
fungicides (e.g. Cercospora leaf spot disease, beet rust) [1]	azoxystrobin, difenoconazole, epoxiconazole, mancozeb, prothioconazole, tebuconazole, tetraconazole, copper based fungicides (except copper oxychloride)	Lewar pH⁻ Fungi Premium	<ul style="list-style-type: none"> • much higher efficacy of contact and systemic fungicides also in adverse weather conditions (e.g.: drought and periods with heavy rainfalls) • possible reduction of fungicide rates by 30% while maintaining the same or improved efficacy level • reduced spray drift • higher yields of better quality, higher profits
insecticides (e.g. aphids, sugar beet weevil) [2]	chlorpyrifos, cypermethrin, deltamethrin, lambda-cyhalothrin, acetamiprid, imidacloprid, thiacloprid, flonicamid	Ento Maxx pH⁻ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy • reduction of insecticide rates by 30% while maintaining the same high efficacy • up to 20 % reduced spray drift - safer insecticide applications • higher yields of better quality, higher profits
spray tank cleaning [4]	-	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

