

Adjuvants in potato

Basic treatments in potato [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]	clomazone, pendimethalin, metobromuron, flufenacet, flurochloridone, aclonifen, prosulfocarb, metribuzin	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 • reduced photodegradation and evaporation of herbicides • higher and longer-lasting efficacy of soil-applied herbicides • higher yields and profits
post-emergence herbicides [2]	rimsulfuron, metribuzin, bentazon, quizalofop-P-ethyl, clethodim	Atpolan Bio 80 EC Premium	<ul style="list-style-type: none"> • higher efficacy of foliar and soil applied herbicides (10%-30%) and/or possible reduction of rates by 30% • higher efficacy of herbicides in adverse weather conditions (esp. in drought) • no adjacent crop injury and environmental pollution • higher yields and profits
fungicides (Phytophthora - potato late blight, Alternaria – early blight and leaf blight) [8]	mancozeb, folpet, difenoconazole, azoxystrobin, pyraclostrobin, propamocarb, dimethomorph, cymoxanil, fenamidone, metalaxyl-M, benalaxyl-M	Lewar pH⁺ Fungi Premium	<ul style="list-style-type: none"> • much higher efficacy in all conditions (faster, longer and more complete fungicide activity) • active substances on the surface of plants protected from wash-off by rain and irrigation • no fungicide drift beyond the crop treated area – no adjacent crop injury and no contamination with residues • higher yields and crop quality, higher profits
insecticides (aphids, Colorado beetle) [2]	cyantraniliprole, chlorantraniliprole, lambda- cyhalothrin, alpha-cypermethrin, cypermethrin, deltamethrin, zeta-cypermethrin, acetamiprid, tau- fluvalinate	Ento Maxx pH⁺ Premium	<ul style="list-style-type: none"> • 20%-30% higher efficacy of insecticides • reduced risk of pest resistance development • up to 20 % reduced spray drift and slowed evaporation – improved safety to insecticide applications • higher yields and crop quality, higher profits
spray tank cleaning [2]	–	Clean Max	<ul style="list-style-type: none"> • certainty – no pesticide residues – next application is safer • reduced crop loss and compensation • enhanced longevity of plant protection equipment • lower costs and higher profits

