



# ARROW<sup>®</sup> 240 EC ARROW ALL IN<sup>®</sup>

Using adjuvants to optimize the performance of clethodim products — ARROW<sup>®</sup> 240 EC and ARROW ALL IN<sup>®</sup>.



Product	Water volume or tank-mix partner	Adjuvant Rate		Tips to Achieve the Best Results
		Easy-to-control weeds Good growing conditions	Tough-to-control weeds (eg. quackgrass) Tough growing conditions	
ARROW <sup>®</sup> 240 EC	<20 gal/ac (<200 L/ha)	X-ACT @ 0.5 % v/v	X-ACT @ 1.0% v/v	X-ACT is the preferred adjuvant, but a methylated seed oil (MSO) product could be used at comparable rates <sup>1</sup> .
ARROW <sup>®</sup> 240 EC	>20 gal/ac (>200 L/ha)	X-ACT @ 0.5 % v/v	X-ACT @ 0.5 % v/v	Higher water volumes improve coverage, so the high rate of surfactant is not generally needed. X-ACT is the preferred adjuvant, but an MSO product could be used at comparable rates <sup>1</sup> .
ARROW ALL IN <sup>®</sup>	glyphosate or glufosinate	Surfactant built into the formulation. No additional surfactant required (when in a tank-mix) <sup>2</sup>		For glufosinate tank mixes with ARROW ALL IN <sup>®</sup> , ammonium sulfate (AMS) or another preferred nitrogen source is still needed.
ARROW ALL IN <sup>®</sup>	<20 gal/ac (<200 L/ha)	X-ACT @ 0.5 % v/v MSO @ 0.5% v/v NIS @ 0.25% v/v	X-ACT @ 1.0% v/v MSO @ 1.0% v/v <sup>1</sup>	Non-ionic surfactant (NIS) is less effective than X-ACT or MSO products. NIS is not recommended when targeting tough-to-control weeds or under challenging conditions.
ARROW ALL IN <sup>®</sup>	>20 gal/ac (>200 L/ha)	X-ACT @ 0.5 % v/v MSO @ 0.5% v/v		Higher water volumes improve coverage, so the high rate of surfactant is not generally needed. NIS is not recommended with higher water volumes.

<sup>1</sup> Under hot, humid conditions high rates of methylated seed oil (MSO) adjuvant may cause surfactant burn on sensitive crops.

<sup>2</sup> If ARROW ALL IN<sup>®</sup> is used alone, an additional adjuvant can be added.

Always read and follow label directions.  
1.855.264.6262 ADAMA.COM

®/™ ARROW and ARROW ALL IN are registered trademarks of ADAMA Agricultural Solutions Canada Ltd. All other products are trademarks of their respective companies.  
© 2023 ADAMA Agricultural Solutions Canada Ltd.