

Pyrinex® Super

Tank Mixture Compatibility

PYRINEX® SUPER is a unique broad spectrum insecticide providing excellent knockdown and residual control of many common insect and mite pests of broadacre crops and pasture and for the control of key pests in Cotton, Sugarcane and Tomatoes. PYRINEX® SUPER is compatible with a range of products and has been extensively tested on multiple crop varieties and situations. The table below summarises the physical compatibility testing that has been undertaken with PYRINEX® SUPER.

Compatibility tests conducted with PYRINEX® SUPER at 1 L/Ha.

Product and maximum rate tested	Formulation	Active Constituents	Company	Physically Compatible Yes/No	Recommended Adjuvant	Comments
2,4-D Amine 625 1.7 L/Ha	SL	2,4-D amine 625 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
2,4-D LV Ester 680 800 mL/Ha	EC	2,4-D ester 680 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Boxer Gold* 2.5 L/Ha	SC	prosulcarb 800 g/L + s-metolochlor 120 g/L	Syngenta	Yes - at ≥ 50 L/Ha	Not required	Compatible
Cutlass® 500 400 mL/Ha	SL	dicamba 500 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Edge* 1 kg/Ha	WG	propyzamide 500 g/kg	Imtrade	Yes - at ≥ 50 L/Ha (With agitation)	Not required	Precipitation occurred, however this occurred in Edge* 500 WG alone. Compatible with constant agitation.
Elevate® 60 mL/Ha	EC	carfentrazone-ethyl 400 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Minimal precipitation was observed. Compatible with agitation.
Farmozine® 900 WG 2.2 kg/Ha	WG	atrazine 900 g/kg	Adama	Yes - at ≥ 50 L/Ha	Not required	Minimal precipitation occurred at 50 L/Ha. No precipitation observed at 80 L/Ha. Compatible with agitation.
Firepower® 100mL/Ha + Hasten* .5%	EC	haloxyfop 520 g/L	Adama	Yes - at ≥ 50 L/Ha	Hasten* .5%	Compatible
Intervix* 750 mL/Ha + Hasten* .5%	SL	imazamox 33 g/L + imazapyr 15 g/L	BASF	Yes - at ≥ 50 L/Ha	Hasten* .5%	Compatible
Leopard® 200 375 mL/Ha + Hasten* 1%	EC	quizalofop-p-ethyl 200 g/L	Adama	Yes - at ≥ 50 L/Ha	Hasten* 1%	Compatible
Lonestar® 750WG 35 g/Ha	WG	triasulfuron 750 g/kg	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Lontrel® 300SL 300 mL/Ha	SL	clopyralid 300 g/L	Dow AgroSciences	Yes - at ≥ 50 L/Ha	Not required	Compatible
Lontrel® 750WG 120 g/Ha	WG	clopyralid 750 g/kg	Dow AgroSciences	Yes - at ≥ 50 L/Ha	Not required	Compatible
Platinum® 500 mL/Ha + Hasten* .5%	EC	clethodim 240 g/L	Adama	Yes - at ≥ 50 L/Ha	Hasten* .5%	Compatible
Roundup Ready* Herbicide 900 g/Ha	WG	glyphosate 690 g/kg	Monsanto	Yes - at ≥ 50 L/Ha	Not required	Compatible
Sakura* 118 g/Ha	WG	pyroxasulfone 850 g/kg	Bayer CropScience	Yes - at ≥ 50 L/Ha	Not required	Compatible
Simanex® 900 WG 2.2 kg/Ha	WG	simazine 900 g/kg	Adama	Yes - at ≥ 50 L/Ha (With agitation)	Not required	Minimal precipitation occurred at 50 L/Ha and at 80 L/Ha. Compatible with agitation.
Spray.Seed* 2.1 L/Ha	SL	paraquat 135 g/L + diquat 115 g/L	Syngenta	Yes - at ≥ 50 L/Ha	Not required	Compatible
Spraytop® 2 L/Ha	SL	paraquat 250 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Tackle® 750 WG 20 g/Ha	WG	chlorsulfuron 750 g/kg	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Triadex® 2 L/Ha	EC	triallate 500 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Trilogy® 480 2 L/Ha	EC	trifluralin 480 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible
Trilogy® 600 1.6 L/Ha	EC	trifluralin 600 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Minimal precipitation after 1 hour. Compatible with agitation.
UAN - Flexi N* 30 L/Ha	SL	nitrate 25% + ammonium 25% + urea 50%	CSPB	Yes - 50/50 water dilution	Not required	Physically compatible with constant agitation. Add PYRINEX® SUPER before UAN. Not tested biologically for crop safety, use with caution post emergence.
Wipe-Out® 450	SL	glyphosate 450 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Minimal precipitation was observed. Compatible with agitation.
Wipe-Out® Accelerate 2.5 L/Ha	SL	glyphosate 540 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Minimal precipitation was observed. Compatible with agitation.
Zulu® Evo 1.5 L/Ha	SL	2,4-D amine 720 g/L	Adama	Yes - at ≥ 50 L/Ha	Not required	Compatible. Agitate well in cold weather.



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Notes:

- Compatibilities were conducted with PYRINEX® SUPER at 1 L/Ha. Crop safety and any minor mixing issues are likely to be reduced at lower rates
- For all mixtures observe the label requirements of the mixing partner, including recommended crop stage, spray volumes etc
- Physical compatibility tests conducted in the laboratory are comprehensive and mixtures were compared at different water hardness and under different temperatures
- Field crop safety tests have not been conducted with all products in the table above. Please exercise caution when tank mixing PYRINEX® SUPER for post-emergent application. Mixtures may be physically compatible but tank mixing can heighten the risk of crop effects
- Mixtures requiring the addition of crop oils can heighten the risk of additional/unacceptable crop effects and where possible should be avoided with PYRINEX® SUPER when applied post emergence
- Compatibility is limited to those specific products and product manufacturers listed unless an alternative product is clearly an equivalent formulation
- Products containing varying concentrations of active constituents to those listed may not be compatible with PYRINEX® SUPER
- Adverse environmental conditions such as frosts, waterlogging, drought, pests or anything else that can stress the crop can compound adverse effects to the crop and should be avoided when tank mixing PYRINEX® SUPER.

Formulation Quality

Some products can vary in quality between years and batches and may not always be of the same quality or as compatible as they were in previous years. This can sometimes be the case with some products from different suppliers and with some crop oils and wetters. Adama recommend doing a jar test to determine if new formulations or new products react the same way in tank mixes as other similar products may have done in the past.

Formulation Type

EC formulations are often believed to be more likely to cause crop effects than other formulation types. Historically the solvents used in EC formulations have had a tendency to be more damaging to crops. However, in recent years considerable advances have been made to improve EC formulations, making them safer on crops, users and the environment. PYRINEX® SUPER is a high quality EC formulation compatible with a broad range of products and is very safe to crops when applied post-emergent. Caution needs to be used however where PYRINEX® SUPER is used post-emergence with certain mix partners and adjuvants as the risk of crop effect will always be higher than where used alone.

Water Volumes

In most situations, the lower the water volume used for spraying, the higher the probability that any physical incompatibilities between the products will become evident. Water volumes should not be a major factor when tank mixing PYRINEX® SUPER as long as the minimum water rates are used; 50 L/Ha by ground and 30 L/Ha by aircraft.

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Please note: This information is not intended to replace the product labels. Always read the complete product label appearing on the container before opening or using products. Product labels also available on adama.com

Mixing Order

The order in which chemicals are loaded into the spray tank can affect the level of physical compatibility and the following chart is a guide as to the order that should be followed.

Step 1	Fill the spray tank to at least 70% full with suitable water Commence agitation	
Step 2	Add any Water Conditioners e.g. Ammonium Sulphate, Raizer® 700	
Step 3	Add any Wettable Powders (WP)	
Step 4	Add any Water Dispersible Granules (WG) products e.g. Diuron 900 WG, Farmozine® 900 WG or Simanex® 900 WG	
Step 5	Add any Oil Dispersion (OD) formulations	
Step 6	Ensure fully dispersed before proceeding	
Step 7	Add any Flowable Liquids (FL) or Suspension Concentrate (SC) products e.g. Orius® 430	
Step 8	Add any Emulsifiable Concentrate (EC) products e.g. Pyrinex® Super, Trilogy®, Triathlon® or Radial®	
Step 9	Add any Emulsion Oil in Water (EW) or Suspension Emulsion (SE) formulations	
Step 10	Fill the mixing tank to nearly full	
Step 11	Add any Soluble Liquids (SL) e.g. Wipe-Out® Accelerate, Wipe-Out® 450, Zulu® Evo or UAN.	
Step 12	Add other Adjuvants and fill the tank e.g. Wetspray® 1000	
	Add any oils last in all mixtures	



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