



ADAMA

Grindstone® herbicide

Physical compatibility guide

The following products have been tested for physical compatibility under constant agitation with Grindstone® Herbicide. Maintain constant agitation during application. Tank-mixes must NOT be left in the spray tank overnight. Always follow best practice tank-mixing procedures – download at www.adama.com.

Table 1: Physical compatibility of herbicides with Grindstone (32 mL in 50 L water/ha at 5°C).

Partner product (s)	Partner application rate	Adjuvant	Classification
2,4-D Amine 625 SL	1200 mL/ha		Compatible
Fightback® EC	500 mL/ha		Compatible
Flagship™ 400 EC	265 mL/ha		Compatible
Flagship™ 400 EC Wipe-Out® 450 SL	500 mL/ha 2000 mL/ha	Hasten* (0.5% v/v)	Compatible
LVE MCPA 570 EC	1000 mL/ha		Compatible
Metsulfuron-methyl 600 WG	8 g/ha	BS1000* (0.1% v/v)	Compatible
Mandate® 240 EC	125 mL/ha	Uptake* (0.5% v/v)	Compatible
Picoflex® SL MCPA 750 SL	110 mL/ha 560 mL/ha		Compatible
Platinum® Xtra 360 EC Wipe-Out® 450 SL	330 mL/ha 2000 mL/ha	Hasten* (0.5% v/v)	Compatible
Shogun® EC Wipe-Out® 450 SL	500 mL/ha 2000 mL/ha	Hasten* (0.5% v/v)	Compatible
Zulu® XT SL	1100 mL/ha		Compatible



HERBICIDE

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Table 2: Physical compatibility of knockdown herbicides with Grindstone (32 mL in 50 L water/ha at 5°C).

Partner product(s)	Partner application rate	Classification
Wipe-Out® 450 SL ¹	2500 mL/ha	Compatible
Wipe-Out® Pro SL ¹	2000 mL/ha	Compatible
Roundup Ready* Plantshield* SG ¹	1600 g/ha	Compatible
Spraytop® 250 SL ¹	2400 mL/ha	Compatible
Spraytop® 330 SL ¹	1800 mL/ha	Compatible
BS1000* (0.25%) ² Gramoxone* 360 Pro SL	1670 mL/ha	Compatible

¹Hasten* (0.5% v/v).

²Add BS1000* prior to Gramoxone* 360 Pro SL.

Table 3: Physical compatibility of fungicides with Grindstone (@ 32 mL in 50 L water/ha at 5°C).

Partner product(s)	Partner application rate	Classification
Bumper® 625 EC	200 mL/ha	Compatible
Maxentis® SC	600 mL/ha	Compatible
Mirador® 625 SC	250 mL/ha	Compatible
Orius® 430 SC	290 mL/ha	Compatible
Proviso® EC	250 mL/ha	Compatible
Topnotch® SE	600 mL/ha	Compatible
Veritas® Opti SC	340 mL/ha	Compatible

Compatible: The mixture is physically compatible.

Caution: Constant agitation is required. Do not leave stand in the tank for any period of time. Allow sufficient time for each product to disperse uniformly throughout the tank before adding the next product.

Incompatible: This combination is not recommended.

Correct mixing order

Step 1	Fill the spray tank to at least 70% full. Commence agitation	
Step 2	Add any water conditioners Ammonium Sulphate or LI 700*	
Step 3	Add any Wettable powders (WP)	
Step 4	Add any Water Dispersible/Soluble Granules (WG/WDG/DF/SG) e.g. Metsulfuron-methyl 600 WG	
Step 5	Allow sufficient time for any granular products to completely disperse	
Step 6	Add any Suspension Concentrate (SC) products e.g. Priority®, Veritas® Opti	
Step 7	Add any Dispersible concentrate (DC) products	
Step 8	Add any Suspo-emulsion (SE) e.g. Topnotch® or Emulsifiable Concentrate (EC) products e.g. Fightback® EC, Flagship™ 400 EC, Proviso®, Quadrant®, Triathlon®	
Step 9	Fill the spray tank to nearly full	
Step 10	Add any Soluble Liquid (SL) products (including Aqueous Concentrate (AC) products) e.g. Picoflex®, Zulu® XT, MCPA 750	
Step 11	Add any SL glyphosate products e.g. Wipe-Out® 450, Wipe-Out® Pro or paraquat products e.g. Spraytop®	
Step 12	Add any Oil Dispersion (OD) products	
Step 13	Add adjuvants e.g. BS1000* and Oils e.g. Uptake* or Hasten* last and fill the tank.	



Always read and follow the product label directions of all tank-mix partners. **Care must be taken when tank mixing more than two products, particularly products that are not manufactured by ADAMA, due to potential variation in formulations or product quality. Seek competent advice or perform a jar test if unsure before proceeding.** Note that physical compatibility tests determine whether the products will mix and are suitable for application using commercial spray equipment. Physical compatibility tests do not check for adverse crop effects or the biological efficacy of the individual products when applied as a tank-mix. Recommendations for use, handling, storage and disposal of products may also change over time. The information contained in this document is not intended to replace the product label. The product label, safety data sheet and supporting product information can be viewed on the ADAMA website www.adama.com or by scanning the QR code located on this document or the product packaging.



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