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## Tenet® 500 SC

### Physical compatibility and mixing guide

The following products have been tested for physical compatibility under constant agitation with Tenet® 500 SC. Add respective partner products to the tank in the order detailed throughout this compatibility guide. Maintain constant agitation during application. Check filters between each load. Tank-mixes must NOT be left in the spray tank overnight. Always follow best practice tank-mixing procedures – download at [www.adama.com](http://www.adama.com).

**Table 1: Physical compatibility of post-emergent herbicides with Tenet 500 SC at 750 mL/ha in 80 L water/ha at 5°C.**

Partner product (mixing sequence in order detailed)	Partner application rate (mL or g/ha)	Classification
Platinum® Xtra 360 EC Intervix* SL Hasten* Spraying Adjuvant	330 mL 750 mL 1% v/v	Compatible
Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	330 mL 1% v/v	Compatible
AMS (980 g/kg) Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	800 g/100L 330 mL 1% v/v	Caution
Intervix* SL Hasten* Spraying Adjuvant	750 mL 1% v/v	Compatible
Liberty* SL	3000 mL	Compatible
AMS (980 g/kg) Liberty* SL	800 g/100L 3000 mL	Caution
Roundup Ready* PL Plantshield SL	1670 mL	Incompatible
Roundup Ready* Plantshield SG	900 g	Compatible
Roundup Ready* Plantshield SG	1300 g	Compatible
Roundup Ready* Plantshield SG Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	1300 g 330 mL 1% v/v	Compatible
AMS (980 g/kg) Roundup Ready* Plantshield SG Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	800 g/100L 1300 g 330 mL 1% v/v	Caution
BS1000* Roundup UltraMAX* SL	0.1% v/v 950 mL	Incompatible
Victory® 600 SL	150 mL	Compatible
Leopard® 200 EC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	190 mL 330 mL 1% v/v	Compatible

**Compatible:** The mixture is physically compatible, when correct mixing order is followed and mix is under constant agitation, in adequate volumes of water.

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

**Incompatible:** This combination is not recommended.



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**Table 1: Physical compatibility of post-emergent herbicides with Tenet 500 SC at 750 mL/ha in 80 L water/ha at 5°C. (continued).**

Partner product (mixing sequence in order detailed)	Partner application rate (mL or g/ha)	Classification
Platinum® Xtra 360 EC Victory® 600 SL Hasten* Spraying Adjuvant	330 mL 150 mL 1% v/v	Compatible
Atrazine 900 WG Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	1100 g 330 mL 1% v/v	Compatible
AMS (980 g/kg) Atrazine 900 WG Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	800 g/100L 1100 g 330 mL 1% v/v	Compatible
Shogun® EC Hasten* Spraying Adjuvant	450 mL 1% v/v	Compatible
Crucial* SL	1800 mL	Caution
Platinum® Xtra 360 EC Crucial* SL Hasten* Spraying Adjuvant	330 mL 1800 mL 1% v/v	Caution
AMS (980 g/kg) Platinum® Xtra 360 EC Crucial* SL Hasten* Spraying Adjuvant	800 g/100L 330 mL 1800 mL 1% v/v	Caution
Weedmaster* DST* SL	2300 mL	Caution

**Compatible:** The mixture is physically compatible, when correct mixing order is followed and mix is under constant agitation, in adequate volumes of water.

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

**Incompatible:** This combination is not recommended.

**Table 2: Physical compatibility of insecticides with Tenet 500 SC at 750 mL/ha in 80 L water/ha at 5°C.**

Partner product (mixing sequence in order detailed)	Partner application rate (mL or g/ha)	Classification
Alpha-Scud® 300 SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	125 mL 330 mL 1% v/v	Caution
Karate Zeon* CS Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	36 mL 330 mL 1% v/v	Compatible
Le-Mat* SL Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	200 mL 330 mL 1% v/v	Compatible
Trojan* CS Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	15 mL 330 mL 1% v/v	Compatible
Venom® 240 SC	83 mL	Compatible



**Table 3: Physical compatibility of fungicides with Tenet 500 SC at 750 mL/ha in 80 L water/ha at 5°C.**

Partner product (mixing sequence in order detailed)	Partner application rate (mL or g/ha)	Classification
Maxentis® Opti SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	600 mL 330 mL 1% v/v	<b>Caution</b>
Miravis* SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	600 mL 330 mL 1% v/v	<b>Compatible</b>
Prosaro* 420 SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	450 mL 330 mL 1% v/v	<b>Compatible</b>
Proviso® Opti SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	240 mL 330 mL 1% v/v	<b>Caution</b>
Veritas® Opti SC Platinum® Xtra 360 EC Hasten* Spraying Adjuvant	540 mL 330 mL 1% v/v	<b>Caution</b>

**Compatible:** The mixture is physically compatible, when correct mixing order is followed and mix is under constant agitation, in adequate volumes of water.

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

**Incompatible:** This combination is not recommended.

**Table 4: Physical compatibility of herbicides with Tenet 500 SC prior to sowing at 1.8 Lt/ha in 80 L water/ha at 5°C.**

Partner product (mixing sequence in order detailed)	Partner application rate (mL or g/ha)	Classification
Cavalier® 240 EC Wipe-Out® Pro SL BS1000*	75 mL 2000 mL 0.1% v/v	<b>Incompatible</b>
Crucial* SL	1300 mL	<b>Incompatible</b>
Elevate® 400 EC Wipe-Out® Pro SL BS1000*	45 mL 2000 mL 0.1% v/v	<b>Incompatible</b>
Elevate® 400 EC Wipe-Out® 450 SL Hasten* Spraying Adjuvant	45 mL 2000 mL 1% v/v	<b>Caution</b>
Atrazine 900 WG	2200 g	<b>Compatible</b>
BS1000* Gramoxone* 360 Pro SL	0.2% v/v 1670 mL	<b>Caution</b>
SpraySeed* 250 SL BS1000*	2400 mL 0.1% v/v	<b>Compatible</b>
Spraytop® 250 SL BS1000*	2400 mL 0.1% v/v	<b>Compatible</b>
Spraytop® 330 SL	1500 mL	<b>Caution</b>
Terbyne* Xtreme* 875 WG	1200 g	<b>Compatible</b>
Terrad'or* 700 WG Wipe-Out® 450 SL Hasten* Spraying Adjuvant	40 g 2000 mL 1% v/v	<b>Caution</b>
Trifluralin 480 EC	2500 mL	<b>Compatible</b>
TriflurX* EC Spraytop® 330 SL	2000 mL 1800 mL	<b>Incompatible</b>
Wipe-Out® 450 SL BS1000*	2400 mL 0.1% v/v	<b>Compatible</b>
Wipe-Out® Pro SL	1000 mL	<b>Incompatible</b>
Rustler* 500 SC	1000 mL	<b>Compatible</b>
Rustler* 900 WG	560 g	<b>Compatible</b>
Simanex® 900 WG	2200 g	<b>Compatible</b>



## Correct mixing order

<b>Step 1</b>	<b>Fill the spray tank to at least 70% full.</b> Commence agitation	
<b>Step 2</b>	Add any water conditioners (e.g. Ammonium Sulphate or LI700*)	
<b>Step 3</b>	Add any Wettable powders ( <b>WP</b> )	
<b>Step 4</b>	Add any Water Dispersible/Soluble Granules ( <b>WG/WDG/DF/SG</b> ) (e.g. Farmozine® 900 WG or Simanex® 900 WG)	
<b>Step 5</b>	Allow sufficient time for any granular products to completely disperse	
<b>Step 6</b>	Add any Suspension Concentrate ( <b>SC</b> ) products (e.g. Tenet® 500 SC)	
<b>Step 7</b>	Add any Dispersible concentrate ( <b>DC</b> ) products	
<b>Step 8</b>	Add any Suspo-emulsion ( <b>SE</b> ) or Emulsifiable Concentrate ( <b>EC</b> ) products (e.g. Platinum® Xtra 360 EC, Elevate® 400 EC and Trifluralin 480 EC)	
<b>Step 9</b>	Fill the spray tank to nearly full	
<b>Step 10</b>	Add any Soluble Liquid ( <b>SL</b> ) products (including Aqueous Concentrate ( <b>AC</b> ) products) (e.g. Intervix*, Liberty*, Spraytop®, Wipe-Out® 450, Wipe-Out® Pro)	
<b>Step 11</b>	Add any Oil Dispersion ( <b>OD</b> ) products	
<b>Step 12</b>	Add adjuvants (e.g. BS1000*) and oils (e.g. Hasten*) last and fill the tank.	

### Caution

Many incompatibility issues and mixing problems are caused by:

- Adding tank-mix products too quickly (i.e. dumping them into the spray tank);
- Pre-mixing in insufficient water in the primary tank, venturi systems or chemical hoppers;
- Mixing tank-mix partners together; or
- Rushing the mixing process. **Take your time.**

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](http://www.adama.com) or by scanning the QR code located on this document or the product packaging.



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Always read the complete product label appearing on the container before opening or using products. ADA25712.

## Other considerations

- Tenet 500 SC is a Suspension Concentrate (SC) formulation. Shake/agitate drum thoroughly before using.
- Avoid potentially problematic tank-mix partners. Some potassium salt glyphosate formulations (particularly high load formulations) may not be compatible with Tenet 500 SC. Preferred glyphosate formulations include Roundup Ready\* Herbicide with Plantshield\* granules, Crucial\*, Weedmaster\* DST\* and IPA salt glyphosate products.
- Refer to the recommended tank-mixing sequence guide and the registered labels of all tank-mix partners before use.
- Fill spray tank to minimum 70% capacity with clean water and commence agitation.
- If adding crystalline ammonium sulphate, add in slowly and allow 10–15 minutes for granules to dissolve and fully disperse through the spray solution. Alternatively, use liquid ammonium sulphate.
- Add the first recommended tank-mix product slowly as per the tank-mix sequence guide. Ensure this product is fully dissolved or dispersed through the tank before repeating this process for subsequent tank-mix partners.
- Once all herbicide addition is complete, fill tank water volume to capacity.
- Maintaining robust water volumes can improve tank-mix compatibilities.
- Multi-product tank-mixes will often result in some sedimentation. Ensure main/primary and in-line filters are no finer than 80 mesh and ideally, 50 mesh, as over-filtering may cause spray line blockages. Check primary/inline filters before application and between tank-loads and clean if necessary.
- Maintain agitation during transit, standing and application.

## Venturi & chemical hopper systems

If using a chemical handler system, ensure only one product is added per fill of the handler, then add to the spray tank. Do not add large proportions of individual tank mix products to small volumes of water (i.e. be careful adding through venturi systems that utilise a stream of water to transfer product to the primary spray tank, or chemical hoppers). Large volumes of chemical in a proportionally small volume of water can result in significant tank-mixing issues, incompatibility and filter blockages.



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