

# Tank-mix sheet

\* Revised August 2014



Please note that physical compatibilities may not be approved tank-mixes. The tests do not check for any adverse crop phytotoxicity or for the biological efficacy of the individual components when applied in a tank-mix. Bayer CropScience gives no warranty and accepts no liability in respect of physical compatibilities; therefore, use is at grower's own risk.

Proline 275 may be applied in specified tank-mixtures. The matrix charts the recommended Herbicide, PGR and Fungicide compatibilities.

Please note that only tank mixtures selected from a single column and a single row are recommended, e.g. Proline 275 + Swift SC + chlorothalonil + Eagle.

Fungicides	Fungicides						Herbicides																Plant Growth regulators															
	chlorothalonil SC*	Corbel	Tern	Fortress	Orka	Torch Extra	Ally Max SX	Atlantis WG + Biopower	Attribut	Boxer	Capture	Cheetah Super/Triumph + Toil	Chekker	Duplosan	Eagle	Foundation	Grasp + Output	Harmony M SX	Hussar	Oxytril CM	Presite SX	Quantum SX	Sektor	Starane/Starane XL	Traton SX	Topik + Actipron	Adjust	Gerone	Chlormequat	5C Cycocel	Chlormequat + Moddus†	Moddus	Meteor	Meteor + Moddus	Terpal + Agral	Upgrade		
Proline 275	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Amistar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Amistar + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + F500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + F500 + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Corbel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Fortress	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Tern	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Swift SC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Swift SC + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline 275 + Torch Extra	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible	Blank: Not known	* Approved chlorothalonil SC formulations only
* Not compatible	† At rates specified below	

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- ❑ In addition to the tank-mix recommendations on page 1, Proline <sup>275</sup> can also be tank-mixed with one additional product from either the lists of insecticides or micro-nutrients.
- ❑ Do not mix Mobius + Hussar or Mobius + Atlantis WG + biopower with micro-nutrients or insecticides. **Do not tank-mix Proline <sup>275</sup> + Amistar Opti + fenpropidin - physically incompatible**

Insecticides	Micro-nutrients			
Aphox	Headland Mn 15%	Verdi-Crop Supha N	YaraVita Liquid Mantrac 15%	YaraVita Sulpur F3000
Cypermethrin	Headland Respond	Verdi-Crop 4 Yield Extra*	YaraVita Magflo 300	YaraVita Stopit
Decis	Headland Spirit	Verdi-Crop Zinic	YaraVita Magphos K	YaraVita Photrel
Fury 10 EW	Libspray 211	YaraVita Beetrac	YaraVita Mancozin	YaraVita Phosamco
Hallmark	Verdi-Crop Human Xtra	YaraVita Coptrel 500	YaraVita ManCuflo	YaraVita Zntrac
Mavrik	Verdi-Crop Magnor	YaraVita Croplift	YaraVita Mantrac DF	
Sumi-Alpha	Verdi-Crop Sitec	YaraVita Foliar Potash	YaraVita Mantrac 500	

Additional 2 way tank mixes	
Proline <sup>275</sup> + Canopy	Proline <sup>275</sup> + Folicur
Proline <sup>275</sup> + Cyflamid	Proline <sup>275</sup> + Stronghold
Proline <sup>275</sup> + Fielder ES	Proline <sup>275</sup> + Swipe
Proline <sup>275</sup> + Flexity	Proline <sup>275</sup> + Talius

\* Do not apply in less than 100L of water/ha

## Tank-mix precautions

### PGR tank mixtures

Proline <sup>275</sup> + strobilurin may be applied, before crop GS32, in mixture with one of the following (dose/ha): -

Moddus 0.2L + chlormequat 1.25L (winter wheat)

Moddus 0.1L + chlormequat 1.25L (winter barley – light soils or malting crops)

Moddus 0.2L + chlormequat 1.25L (winter barley – Other soils and feed crops)

Before using any of the mixtures shown above, first check the manufacturer's latest recommendations for Moddus. DO NOT use Proline <sup>275</sup> + strobilurin + Moddus + chlormequat on Spring Barley.

### Adjuvants

In soft crops avoid the use of tank-mixtures with HBNs or Atlantis WG + biopower. In particular, tank mixtures with EC fungicide formulations as this may result in transitory adverse crop effects.

### Sulphonyl Ureas (SU)

All sulphonyl urea herbicides have the potential to cause damage to sensitive crops if residues are left in the spray tank. For this reason sprayer hygiene following the use of SU + chlorothalonil + Proline <sup>275</sup> is very important. Sprayers should always be thoroughly cleaned out with a proprietary sprayer cleaner immediately after use. This should always take place, even if further cereal crops have been treated by the sprayer between the last application SU mixtures and a subsequent broad leaved crop.

### Cheetah Super, Grasp or Topik

Adjuvant oil recommended by the herbicide manufacturer may be added in mixes with Proline <sup>275</sup> + strobilurin.

Do NOT use any of these herbicides in mixes with Proline <sup>275</sup> + strobilurin + Moddus + chlormequat.

## Trace Elements

These products are physically compatible only, there is no information on crop safety available.

## General Precautions

For any tank-mix it is important that the appropriate manufacturer's recommendations should be consulted and followed, and care taken to ensure that applications are made within the recommendations for each product. First disperse Proline <sup>275</sup> in the spray tank (follow label 'Mixing' instructions), then add the other product(s), unless specified otherwise. All mixes should be sprayed immediately and agitated throughout until the spray tank is empty. The user should ensure that all products to be tank-mixed with Proline <sup>275</sup> are approved for use on the crops which are to be sprayed. Always check individual product labels for any possible restrictions before making a tank-mix recommendation.

## Contact Bayer CropScience Limited for full details.

*Recent Changes	
14/02/2007	Canopy (PGR) tank-mix included.
15/09/2008	Fielder ES fungicide added
<b>07/07/2009</b>	<b>Proline <sup>275</sup> + Amistar Opti + fenpropidin listed as incompatible</b>
06/01/2012	Libspray 211 added
18/07/2012	Canopy (PGR) tank-mix included.
18/08/2014	Format update

