



PROTECT FOR BETTER GROWTH

Compatibility Appendix

UK Product Guide

2018 RECOMMENDATIONS

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The Voluntary Initiative

Promoting responsible pesticide use

**THIS IS AN ANNUAL PUBLICATION
AND SUPERSEDES ALL PREVIOUS VERSIONS**

For in-season, up-to-date information please contact us:

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FMC Compatibility Appendix

Please read notes carefully

1. All Products

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

2. Compatibility Tables

The 7 separate compatibility tables covering the following products have specific, similar formats:-

1. Coragen®.
2. Debut®.
3. Explicit®, Rumo®, Steward®.
4. Provalia® LQM®.
5. Safari® Lite wsb.
6. Spring Sulfonylurea Herbicides – Alias SX, Ally® Max SX, Answer® SX, Avro® SX, BiPlay® SX, Chimera® SX, Cleancrop Mondial, Concert® SX, Finish® SX, Gropper SX, Harmony® M SX, Inka® SX, Jubilee® SX, Lorate®, Pennant, Presite® SX, Ratio® SX, Refine® Max SX, Simba® SX, Traton® SX.
7. Venzar® 500SC.

Each table is crop or timing specific and providing the products are legally registered in the UK for use on the noted crop then the FMC product to which the table relates can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If the product you wish to use in a tank-mix is not listed then please contact the Technical Helpline for specific advice on (01423) 205011 or flintshire.enquiry@fmc.com

Cautionary notes

- Do not apply a listed FMC SU herbicide in tank-mix or sequence with any ALS-inhibiting products unless stated on the label. Restrictions on any following crops should be observed.
- Do not allow a FMC SU to come into direct contact with undiluted concentrate of any other product.
- No tank-mixes are supported on durum wheat, rye or triticale, unless stated.
- Do NOT tank-mix Cerone or Terpal, unless stated, with FMC SU herbicides. Allow an interval of 7 days between treatments (10 days if crop is under stress and not actively growing).
- Do not tank-mix any FMC SU herbicides with dimethoate.

For information on compatibilities with other plant growth regulators that are not listed then please contact the specific manufacture

Other general notes

Adjuvants: Consult relevant manufacturers' product label or as agreed with FMC (UK) Limited.

Manganese: Chelated formulations are preferred for tank-mixing. Check labels of all other products prior to tank-mixing. Do not tank-mix manganese with 'hormone' herbicides eg MCPA, mecoprop-p, dicamba, dichlorprop-p, etc.

Not all ALS-inhibiting products are made using SX technology and so carry different wash out restrictions. Check the label restrictions of all products used and follow the most rigorous wash out procedure recommended. FMC advocate good sprayer hygiene at all times and still recommend All Clear® Extra for ensuring sprayers, especially nozzles, the sump and pipework, are clean of ALL chemical residues.

It is also essential to refer to the labels of any partner products for specific advice on cultivations prior to drilling the next crop as these may be more limiting and so should be adhered to.

Before tank-mixing any flutriafol-containing product or any propiconazole-containing product with any FMC SU herbicide, please consult FMC. No specific interval is required between a listed FMC SU and the fungicides above but full wash out procedures with All Clear® Extra should be observed.

When tank-mixing a FMC SU herbicide with clodinafop-propargyl or a pinoxaden-based product for Black-grass control it is essential to use the full recommended rate of the graminicide.

If considering using reduced rates of clodinafop-propargyl or a pinoxaden-based product, do not tank-mix. Sequences only may be used – observing the following intervals:-

- If the FMC SU product is used first, allow the following days interval before the graminicide application: clodinafop, clodinafop + pinoxaden 14 days; pinoxaden 21 days.
- If the graminicide is used first, allow a 7-day interval before the FMC SU application.

For tank-mixes and sequences of FMC SU herbicides with fenoxaprop-p-ethyl for wild oat control please consult Bayer Crop Science literature.

- For advice on using FMC products on red wheat, please contact your contract agent for information.
- In any supported tank-mix, add the listed FMC SU to the tank first and ensure it is fully dispersed before adding the other product(s).
- Do not allow a FMC SU to come into direct contact with undiluted concentrate of any other product.
- Maintain agitation at all times.

General Spray Application

Guidance

When applying any pesticide, the mixing sequence is crucial to ensure that each pesticide is properly dissolved within the spray water. This will enable the pesticide to work effectively and avoid blockages within the sprayer.

Common practice is always to apply a solid first to the sprayer tank and allow it to fully dissolve within the water before adding any other products. When adding liquid pesticides to a spray tank the mixing order is usually determined by the formulation type and the amount of oil based or emulsifiable surfactants that it contains.

Generally the mixing order is:

Solids – either granules or water soluble bags

followed by:

Emulsifiable concentrates (EC)

then: Suspension concentrates (SC)

then: Oil in water emulsions (EW)

then: Oily dispersion (OD) products

Adjuvants are added usually in quantities proportional to the water volume applied per hectare. Some adjuvants, which are water conditioners recommend that they are added to the spray tank water before any pesticides, so enabling them to work effectively by adjusting the water pH or quality e.g. hardness etc. Otherwise most adjuvants are usually added to the spray tank after the pesticides. However check adjuvant labels for specific advice.

In general, keep tank-mix partners to the minimum and it is advisable that no more than 5 individual products (which in turn may comprise of several active ingredients) are present within a spray tank-mixture. The combination of the surfactants and formulants incorporated within each product has the potential to increase crop damage or affect the efficacy of the individual components of the mix.

Trace elements can also have the potential to disrupt a tank-mixture and as they come in many forms and compositions it is always best to consult with the manufacturer to determine the suitability of including it in the tank-mix. If no information is available, some manufacturers may recommend that growers perform a rudimentary test in a bucket to check the physical compatibility of the mix. If this approach is taken then this should be done with the appropriate safety measures. It should also be noted that this does not give any indication of the biological and/or potential phytotoxicity affects that may or may not occur to the crop.

If trace elements are being applied to a crop in a curative capacity, it is usually recommended that they are applied as a separate treatment so remedying the issue and reducing the overall stress on the crop.

The effect of stress whether visible or non-visible i.e. sub clinical must be considered. Discernible stress factors such as drought, water logging, high temperatures and trace element deficiencies are commonly considered. However, diurnal temperature fluctuations, removal of the waxy layer as a consequence of hail, wind blow, frost etc. will affect the crops ability to tolerate a chemical application.

Water volume is also a significant consideration in a tank-mixture. Some products are subject to reduced water restrictions, preventing the reduction of the spray application below a specified water volume. Reducing the water volume disproportionately to the dose rate means that the overall spray tank-mixture becomes more concentrated. This can be problematic for the safety of the spray operator and the crop to which it is applied.

There is also the potential that not all of the tank-mix partners may be adequately dissolved i.e. sediment out in the spray tank. It is always advised that growers and spray operators read the product labels thoroughly in case there are any restrictions.

Mixing guidance for FMC Sulfonylureas

Before using FMC sulfonylureas make sure that the spraying equipment is clean and free from contamination from other pesticides. Quarter fill the tank with clean water, start the agitation and add the required quantity of granules directly into the tank without prior creaming. In any tank-mix involving FMC sulfonylureas they should be added to the spray tank first. Any recommended tank-mix partner can be added as soon as the granules have been dissolved, which normally takes only a few minutes at normal water temperatures. If for any reason, adding the granules at the top of the tank is impractical and the sprayer is fitted with an induction system, the following procedure may be followed. It must be used only if the induction bowl can be filled with water.

1. Half fill the induction bowl with clean water.
2. Pour granules into the induction bowl.
3. Turn on the venture and suck the contents of the induction bowl into the spray tank, at the same time rinsing the bowl.
4. Repeat the procedure of half filling the bowl with water and sucking out until no trace of the product remains on the mesh; filter; drain hole or sides of the induction bowl.
5. Ensure all the contents are sucked out and the bowl is thoroughly rinsed before adding any tank-mix partner.

Continue agitation while topping up the tank with water and whilst spraying. Apply the prepared tank-mix solution the same day as mixing. When FMC sulfonylurea herbicides are used in tank-mix with other products, it must be added to the spray tank first and fully dispersed before the other product is added.

Do not allow sulfonylurea granules to come into contact with undiluted concentrate of another product.

- Safari® Lite is contained within a water soluble bag.
- Safari® Lite mixes easily with water, but the following mixing procedure should be followed:
- Quarter-fill the spray tank with clean water and start agitation.
- In any tank-mix add Safari® Lite wsb to the spray tank first.
- Tear open the foil envelope and ad the water-soluble bag directly to the spray tank or via an induction bowl when fitted and complete filling.
- Ensure the Safari® Lite wsb is fully dispersed in the spray tank before adding another product.
- Maintain agitation until spraying is completed.
- Apply the prepared tank-mix solution the same day as mixing.

in top fruit – apples and pears

Providing the products are legally registered in the UK for use in Top Fruit, Coragen® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Coragen® to be used with Topas.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Mixes

1	•						
2		•					
3			•				
4				•			
5					•		
6						•	
7							•
8	•<			•‡			
	Triazole Fungicide	QoI Fungicide	SDHI Fungicide	Other Fungicide	Insecticide	Trace Element	Other
	Indar 5EW Scala Topas	Maccani Stroby WG**	Bellis#	Captan Dithianon WG Karamate Mandil 75WG Nimrod Radspor	Calypso Explicit Gazelle Mainman Masai Steward	Bortrac 150 Calcium Chloride** Calcium + Magnesium + Nitrogen [§] Croptrel 500 Foliar Potash Magflo 300 Maxicrop Triple Strength Seniphos Zintrac 700	Activator 90 Compliment Cultar Gateway Gibberellins Prohexadione - calcium Regulex

Key to comments

Gateway may be added if required.

§ Spray mix immediately as the tank-mix causes the solution pH to fall.

< This mix is supported with Scala only.

‡ This mix is supported with Dithianon WG only.

** Spray mix immediately as the tank-mix causes the solution pH to rise.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

in sugar beet and fodder beet unless specified

Provided the products are legally registered in the UK for use in sugar beet and fodder beet, Debut® can be tank-mixed with a wide range of approved herbicide partners and adjuvants. Products should only be tank-mixed if each product can be applied within the manufacturers' label recommendations for use.

In any tank-mix, with the exception of phenmedipham, add Debut® to the spray tank first and ensure that it is fully dispersed before adding another partner product(s). If a partner product contains phenmedipham, follow the manufacturers' recommendations for mixing that product before adding Debut®. When mixing adjuvants with Debut® mixes, observe the guidelines on temperatures and stressed crops (see manual text).

FMC do not support the use of adjuvants until the sugar beet has reached the first pair of true leaves fully expanded stages and only then if suitable once the guidelines related to adjuvant use have been considered.

- Please consult manufacturer for specific advice on product rates and appropriate growth stages.
- Ensure all manufacturers labels and all product restrictions for tank-mixing are adhered to.
- Do not mix Debut® with graminicides or insecticides.
- When Debut® is used in sequence with graminicides, a 7-day minimum time interval should be observed between applications.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times. Please ensure you read the 'Compatibility Notes' section for further advice.

Debut® may be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks providing the mixture can be applied within the label recommendations of all partners in the mix. If a box is left blank, then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Debut® + Venzar® 500SC + Betasana Trio.

Mixes

1	•							•	
2		•						•	
3	•					•			
4		•				•			
5	•				•				
6		•			•				
7	•						•		
8		•					•		
9	•		•					•	
10	•		•			•			
11			•				•		
12			• ^{\$}	• ^{\$}	• ^{\$}				
13	•		•		•				
14									•
15	•	•		•	•				
	Lenacil	Metamitron	Clopyralid	Ethofumesate	Phenmedipham	Desmedipham + Phenmedipham	Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Lenacil + Phenmedipham
	Venzar 500SC	Goltix 70SC	Dow Shield 400	Ethosat 500	Betasana SC	Betanal Maxxim	Twin Teamforce SE	Betasana Trio SC	Betanal MaxxPro

Key to comments

\$ This mix is only supported on sugar beet.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Explicit®/ Rumo®/ Steward®

in cabbage, cauliflower and broccoli

Providing the products are legally registered in the UK for use in brassicas, Explicit®/ Rumo®/ Steward® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Explicit®/ Rumo®/ Steward® to be used with Plover.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Explicit®/ Rumo®/ Steward®

Mixes

1	•						
2		•					
3			•				
4				•			
5					•		
6						•	
7							•

	Triazole Fungicide	QoI Fungicide	SDHI Fungicide	Other Fungicide	Graminicide	Insecticide	Trace Element
	Plover	Amistar Nativo 75WG #	Signum	Folio Gold	Laser	Plenum WG	Bortrac 150 Ferleaf Magflo 300 Manganese Sulphate Nortrace Mensa Nortrace Nurture Opte-Sul RapitreI

Key to comments

Gateway may be added if required.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Explicit®/ Rumo®/ Steward®

in oilseed rape

Providing the products are legally registered in the UK for use in oilseed rape, Explicit®/ Rumo®/ Steward® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Explicit®/ Rumo®/ Steward® to be used with Proline 275 and Galileo®.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Explicit®/ Rumo®/ Steward®

Mixes

1	•	•			
2		•			•
3	•<				•
4		•	•		
5				•	

	Triazole Fungicide	QoI Fungicide	SDHI Fungicide	Other Fungicide	Trace Element
	Caramba Caryx Folicur Proline 275 Prosaro Sun-org Pro	Flanker Galileo Oranis	Filan	Propulse Toprex #	Bortrac Opte - B

Key to comments

< This mix is not supported with Proline 275 or Caryx.

This mix has only been tested for physical compatibility.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Explicit®/ Steward®

in top fruit – apples and pears

Providing the products are legally registered in the UK for use in Top Fruit, Explicit® and Steward® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Explicit®/ Steward® to be used with Topas.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Explicit®/ Steward®

Mixes

1	•						
2		•					
3			•				
4				•			
5					•		
6						•	
7							•
8	•<			•‡			

	Triazole Fungicide	QoI Fungicide	SDHI Fungicide	Other Fungicide	Insecticide	Trace Element	Other
	Indar 5EW Scala Topas	Maccani Stroby WG	Bellis#	Captan Dithianon WG Karamate Mandil 75WG Nimrod Radspor [§] Switch	Calypso Gazelle Mainman Masai	Bortrac 90 Croptrel 500 Ferleaf Magflo 300 Seniphos	Gibberellins Regulex Cultar Prohexadione - calcium ± adjuvant

Key to comments

Gateway may be added if required.

< Scala only.

‡ Dithianon WG only.

§ Add Radspor to the spray tank first.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Provalia® LQM®

in winter barley

Providing the products are legally registered in the UK for use in winter barley, Provalia® LQM® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Provalia® LQM® + Easel + 3C + Canopy* (restricted rates apply).

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Ensure all manufacturers' label and product restrictions for tank-mixing are adhered to, especially ALS joint application approvals.

Please ensure you read the 'Compatibility Notes' section for further advice.

Provalia® LQM®

Mixes

1							•				
2								•			
3										•	
4		•‡		•		•					
5	•			•		•					
6	•	•		•	•						
7											•

	Mildewicide	CTL	Mildewicide + Triazole Fungicide	Triazole Fungicide	Qol Fungicide	SDHI Fungicide	BLW Herbicide	PGR	Insecticide	Graminicide	Trace Element [®]
	Corbel Justice Talius	Bravo 500	Helix	Cortez Proline 275 Prosaro	Flanker Galileo Oranis Jaunt	Adexar ⁵⁵ Aylora [†] Elatus Era ⁵ Frelizon Intellis Siltra Xpro ⁵⁵ Treoris [†] Vertisan	Easel Optica	3C + Canopy* 3C Chlormequat 3C + Moddus* Canopy Terpal	Decis Hallmark	Axial + Adigor	Bortrac Brassitrel Pro Cereal Mix Cereal Mix Ultra Coptrel Croplift Ferleaf Gramitrel Magflo 300 Magphos K Maize Boost Mancuflo

Provalia® LQM®

8	•	•	•			•					
9		•		•		•			•		
10						•					•+
11						•			•*		

	Mildewicide	CTL	Mildewicide + Triazole Fungicide	Triazole Fungicide	Qol Fungicide	SDHI Fungicide	BLW Herbicide	PGR	Insecticide	Graminicide	Trace Element*
											Mantrac DF Mantrac Pro Peleton Photrel Pro Plus Hi-N Safe N300 Stem Stopit Zintrac 700

Key to comments

* Restricted rates – 3C Chlormequat can be applied up to 1.5 l/ha in mix with 0.2 l/ha Moddus or 1.25 l/ha 3C chlormequat + 0.6 l/ha Canopy.

\$ Only supported in a two-way mix with Provalia® LQM®.

‡ The addition of Bravo 500 is not supported with Aylora® and Treoris®.

& Trace elements have only been tested for physical compatibility.

+ Only supported with Mantrac.

» Only supported with 3C Chlormequat.

\$\$ Only approved in mixes 10 and 11.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Provalia® LQM®

in winter wheat

Providing the products are legally registered in the UK for use in winter barley, Provalia® LQM® can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Provalia® LQM® + Easel + 3C + Canopy* (restricted rates apply).

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Ensure all manufacturers' label and product restrictions for tank-mixing are adhered to, especially ALS joint application approvals.

Please ensure you read the 'Compatibility Notes' section for further advice.

Provalia® LQM®

Mixes

1						• [#]	•				
2										•	
3		• [†]		•		•					
4	•			•		•					
5											•
6		•		•		•			•		
7	•	•	•			•					

	Mildewicide	CTL	Mildewicide + Triazole Fungicide	Triazole Fungicide	Qol Fungicide	SDHI Fungicide	BLW Herbicide	PGR	Insecticide	Graminicide	Trace Element ^{&}
	Corbel Justice Talius	Bravo 500	Helix	Brutus Cortez Proline 275 Prosaro	Flanker Galileo Oranis Jaunt	Adexar ^{5S} Ascra Xpro ^{5S} Aviator Xpro ⁵ Aylora [†] Cielex Elatus Era ⁵ Frelizon Intellis Treoris [†] Vertisan	Easel Optica [†] Foundation ⁵	Cerone 3C Chlormequat 3C + Moddus [*] Canopy Terpal ⁵	Decis Hallmark	Atlantis WG Broadway Star Foxtrot Hatra Horus Topik	Bortrac Brassitrel Pro Cereal Mix Cereal Mix Ultra Complex Coptrel Croplift Ferleaf Gramitrel Magflo 300 Magphos K Maize Boost Mancuflo

Provalia® LQM®

8	•	•		•**	•						
9		•				•					•+
10						•			•*		
11	•					•					

	Mildewicide	CTL	Mildewicide + Triazole Fungicide	Triazole Fungicide	Qol Fungicide	SDHI Fungicide	BLW Herbicide	PGR	Insecticide	Graminicide	Trace Element®
											Mantrac DF Mantrac Pro Peleton Photrel Pro Plus Hi-N Safe N300 Stem Stopit Zintrac 700

Key to comments

Not tested with Optica.

* Restricted rates – 3C Chloromequat can be applied up to 1 l/ha in mix with 0.2 l/ha Moddus.

§ This product is only supported in a two-way mix with Provalia® LQM®.

‡ The addition of Bravo 500 is not supported with Aylora® and Treoris®.

& Trace elements have only been tested for physical compatibility.

** Only approved with Cortez, Proline 275 or Prosaro.

+ Only supported with Mantrac.

» Only supported with 3C Chloromequat.

\$\$ Only approved in mixes 9,10 and 11.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Safari® Lite wsb

in sugar beet

Provided the products are legally registered in the UK for use in sugar beet, Safari® Lite wsb can be tank-mixed with a wide range of approved herbicide partners and adjuvants. Products should only be tank-mixed if each product can be applied within the manufacturers' label recommendations for use.

In any tank-mix, with the exception of phenmedipham, add Safari® Lite wsb to the spray tank first and ensure that it is fully dispersed before adding another partner product(s). If a partner product contains phenmedipham, follow the manufacturers' recommendations for mixing that product before adding Safari® Lite wsb. When mixing adjuvants with Safari® Lite wsb mixes, observe the guidelines on temperatures and stressed crops (see manual text).

FMC do not support the use of adjuvants until the sugar beet has reached the first pair of true leaves fully expanded stages and only then if suitable once the guidelines related to adjuvant use have been considered.

- Please consult manufacturer for specific advice on product rates and appropriate growth stages.
- Do not mix Safari® Lite wsb with graminicides or insecticides.
- When Safari® Lite wsb is used in sequence with graminicides, a 7-day minimum time interval should be observed between applications.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times. Please ensure you read the 'Compatibility Notes' section for further advice.

Safari® Lite wsb may be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks providing the mixture can be applied within the label recommendations of all partners in the mix. If a box is left blank, then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Safari® Lite wsb + Betasana Trio SC.

Safari® Lite wsb

Mixes

1					•	
2			•			
3		•				
4				•		
5	•				•	
6	•		•			
7	•			•		
8	•	•				
9						•

	Clopyralid	Phenmedipham	Desmedipham + Phenmedipham	Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Lenacil + Phenmedipham
	Dow Shield 400	Betasana SC	Betanal Maxxim	Twin Teamforce SE	Betasana Trio SC	Betanal MaxxPro

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Spring Sulfonylurea Herbicides

in spring barley

From this point where Ally® Max SX is mentioned, the information also applies to Alias SX, Answer® SX, Avro® SX, BiPlay® SX, Chimera® SX, Cleancrop Mondial, Concert® SX, Finish® SX, Gropper SX, Harmony® M SX, Inka® SX, Jubilee® SX, Lorate®, Pennant, Presite® SX, Ratio® SX, Refine® Max SX, Simba® SX and Traton® SX.

Ensure all manufacturers' labels and all product restrictions for tank-mixing are adhered to, especially ALS joint application approvals. FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Ally® Max SX can be applied in a 2-way tank-mix with one of the following products:

Axial + Adigor, Eagle, Easel, Galaxy, Yara Mantrac.

OR providing the products are legally registered in the UK for use in spring barley, Ally® Max SX can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would only allow Ally® Max SX + Optica + Bravo + Vertisan® + Cortez.

Spring Sulfonylurea Herbicides

Mixes

1	•			•					•
2		•		•					•
3			•	•					•
4	•	•	•					•	
5	•	•	•			•			
6	•	•	•				•		
7	•	•		•		•			
8	•	•		•				•	
9	•	•		•			•		
10	•	•				•		•	
11	•	•				•	•		
12	•	•						•	
13	•		•	•		•			
14	•		•			•		•	
15	•		•			•	•		

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Triazole Fungicide	Qol Fungicide	Qol + Triazole Fungicide	SDHI + Triazole Fungicide
	Optica Starane Hi -Load	Adjust 3C Chlormequat	Corbel Justice Talius	Bravo	Starane Gold	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275

Spring Sulfonylurea Herbicides

Mixes

16	•		•	•		•			
17		•	•	•		•			
18		•	•	•				•	
19		•	•			•		•	
20		•	•			•	•		
21		•			•			•	
22		•			•	•			
23		•		•	•	•			
24			•	•		•			
25			•		•			•	
26			•		•	•			
27			•	•	•	•			
28					•	•		•	
29					•	•	•		

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Triazole Fungicide	Qol Fungicide	Qol + Triazole Fungicide	SDHI + Triazole Fungicide
	Optica Starane Hi -Load	Adjust 3C Chlormequat	Corbel Justice Talius	Bravo	Starane Gold	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Spring Sulfonylurea Herbicides

in spring wheat

From this point where Ally® Max SX is mentioned, the information also applies to Alias SX, Answer® SX, Avro® SX, BiPlay® SX, Chimera® SX, Cleancrop Mondial, Concert® SX, Finish® SX, Gropper SX, Harmony® M SX, Inka® SX, Jubilee® SX, Lorate®, Pennant, Presite® SX, Ratio® SX, Refine® Max SX, Simba® SX and Traton® SX.

Provided the products are legally registered in the UK for use in spring wheat, Ally® Max SX can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would only allow Ally® Max SX + Bravo + Cortez + Optica.

Each product should be added separately to the bulk of the water in the spray tank and thoroughly mixed before adding to the next chemical. Always use constant agitation during mixing, transportation and application. Spray immediately.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Spring Sulfonylurea Herbicides

Mixes

1	•		•	•			
2			•	•	•		
3		•		•	•		
4					•	•	
5		•				•	
6							•

	CTL	Mildewicide	Triazole Fungicide	BLW Herbicide	PGR	Graminicide	Insecticide
	Bravo	Corbel Justice Talius	Cortez Eclipse Proline 275	Optica Starane Hi - Load	3C Chlormequat Stabilan 750	Topik	Contest Decis Hallmark Permasect C

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Spring Sulfonylurea Herbicides

in winter barley

From this point where Ally® Max SX is mentioned, the information also applies to Alias SX, Answer® SX, Avro® SX, BiPlay® SX, Chimera® SX, Cleancrop Mondial, Finish® SX, Gropper SX, Inka® SX, Jubilee® SX, Lorate®, Presite® SX, Ratio® SX, Refine® Max SX, Simba® SX and Traton® SX.

Ensure all manufacturers' labels and all product restrictions for tank-mixing are adhered to, especially ALS joint application approvals.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Ally® Max SX can be applied in a 2-way tank-mix with one of the following products:

Arizona, Axial + Adigor, Eagle, Easel, Galaxy, Maya, Phoenix, Pixxaro, Yara Mantrac, Zypar and in mix with Vertisan® + Bravo + Helix + Cortex.

OR providing the products are legally registered in the UK for use in winter barley, Ally® Max SX can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would only allow Ally® Max SX + Optica + Bravo + Vertisan® + Cortex.

Spring Sulfonylurea Herbicides

Mixes

1	•			•					•	
2		•		•					•	
3			•	•					•	
4	•	•	•					•		
5	•	•	•			•				
6	•	•	•				•			
7	•	•		•		•				
8	•	•		•				•		
9	•	•		•			•			
10	•	•				•		•		
11	•	•				•	•			
12	•	•						•		
13	•	•	•	•		•				
14	•	•	•			•		•		
15	•		•			•	•			
16	•		•	•		•				
17	•							•		•
18		•	•	•		•				
19		•	•	•				•		

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Triazole Fungicide	QoI Fungicide	QoI + Triazole Fungicide	SDHI + Triazole Fungicide	Insecticide
	Easel* Optica Starane Hi -Load	3C Chloromequat Moddus + 3C* Stabilian 750	Corbel Justice Talius	Bravo	Starane Gold	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275	Contest Decis Hallmark Permasect C

Spring Sulfonylurea Herbicides

20		•	•			•		•		
21		•	•			•	•			
22		•								•
23		•			•			•		
24		•			•	•				
25		•						•		•
26		•				•	•			•
27		•		•	•	•				
28			•	•		•				
29			•		•			•		
30			•		•	•				
31			•					•		•
32			•			•	•			•
33			•	•	•	•				
34					•	•		•		
35					•	•	•			

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Triazole Fungicide	QoI Fungicide	QoI + Triazole Fungicide	SDHI + Triazole Fungicide	Insecticide
	Easel* Optica Starane Hi -Load	3C Chloromequat Moddus + 3C [‡] Stabilian 750	Corbel Justice Talius	Bravo	Starane Gold	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275	Contest Decis Hallmark Permasect C

Key to comments

* Easel is only supported for use in Mix 1.

‡ Restricted rates – 3C Chloromequat can be applied up to 1 l/ha in mix with 0.2 l/ha Moddus.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Spring Sulfonylurea Herbicides

in winter oats

From this point where Ally® Max SX is mentioned, the information also applies to Finish® SX, Inka® SX, Presite® SX and Refine® Max SX.

Provided the products are legally registered in the UK for use in winter oats, Ally® Max SX can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would only allow Ally® Max SX + Justice® + Capalo + 3C Chloromequat.

Each product should be added separately to the bulk of the water in the spray tank and thoroughly mixed before adding to the next chemical. Always use constant agitation during mixing, transportation and application. Spray immediately.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

When applying tank-mixes on oat crops be careful of applications on light soils, dry soils and stressed crops (especially those with low N levels) or soft lush crops. Care should also be taken when using sulfonylurea herbicides in tank-mix with plant growth regulators.

Spring Sulfonylurea Herbicides

Mixes

1	•	•			•	
2	•		• ^{\$}	• [‡]	•	
3		•	•	•		
4	•	•	•			
5						•
6	•		•	•		

	Mildewicide	Triazole Fungicide	QoI Fungicide	BLW Herbicide	PGR	Insecticide
	Corbel Justice Talius	Capalo Cello Mantra	Flanker Furlong Galileo Oranis	Optica Starane Hi -Load	3C Chlormequat Stabilian 750	Contest Decis Hallmark Permasect C

Key to comments

\$ This mix is only supported with Furlong®.

‡ This mix is only supported with Optica.

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ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Spring Sulfonylurea Herbicides

in winter wheat

From this point where Ally® Max SX is mentioned, the information also applies to Alias SX, Answer® SX, Avro® SX, BiPlay® SX, Chimera® SX, Cleancrop Mondial, Concert® SX, Finish® SX, Gropper SX, Harmony® M SX, Inka® SX, Jubilee® SX, Lorate®, Pennant, Presite® SX, Ratio® SX, Refine® Max SX, Simba® SX and Traton® SX.

Ensure all manufacturers' labels and all product restrictions for tank-mixing are adhered to, especially ALS joint application approvals.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times.

Please ensure you read the 'Compatibility Notes' section for further advice.

Ally® Max SX can be applied in a 2-way tank-mix with one of the following products:

Arizona, Atlantis WG, Axial + Adigor, Broadway Star, Broadway Sunrise, Eagle, Easel, Foxtrot EW, Galaxy, Hatra, Horus, Pacifica, Phoenix, Pixxaro, Yara Mantrac, Zypar and in mix with Vertisan® + Manitoba.

OR providing the products are legally registered in the UK for use in winter wheat, Ally® Max SX can be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks. If a box is left blank then a product from that column group cannot be included in the tank-mix. For example, mix 1 would only allow Ally® Max SX + Optica + Bravo + Vertisan® + Cortez.

Spring Sulfonylurea Herbicides

Mixes

1	•			•						•	
2		•		•						•	
3			• ^{\$}	•						•	
4			•			• [#]				•	
5	•	•	•						•		
6	•	•	•				•				
7	•	•	•					•			
8	•	•		•				•			
9	•	•		•					•		
10	•	•		•				•			
11	•	•					•		•		
12	•	•					•	•			
13	•	•				•					
14	•		•	•				•			
15	•		•				•		•		
16	•		•				•	•			
17	•		•			•					
18	•		•	•				•			
19	•								•		•

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Graminicide	Triazole Fungicide	QoI Fungicide	QoI + Triazole Fungicide	SDHI + Triazole Fungicide	Insecticide
	Easel* Maya* Optica Starane Hi -Load	3C Chlormequat Moddus + 3C* Stabilian 750	Corbel Helix ^{\$} Justice Talius	Bravo	Starane Gold	Axial# Topik	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275	Contest Decis Hallmark Permasect C

Spring Sulfonylurea Herbicides

Mixes

20		•	•	•			•				
21		•	•	•					•		
22		•	•				•		•		
23		•	•				•	•			
24		•	•			•					
25		•	•								•
26		•		•		•	•				
27		•			•				•		
28		•			•		•				
29		•							•		•
30		•					•	•			•
31		•		•	•		•				
32		•			•	•					
33		•				•	•				•
34		•				•	•	•			
35			•	•		•	•				
36			•			•			•		
37			•		•				•		
38			•		•		•				

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Graminicide	Triazole Fungicide	QoI Fungicide	QoI + Triazole Fungicide	SDHI + Triazole Fungicide	Insecticide
	Easel* Maya* Optica Starane Hi -Load	3C Chlormequat Moddus + 3C* Stabilian 750	Corbel Helix* Justice Talius	Bravo	Starane Gold	Axial* Topik	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275	Contest Decis Hallmark Permasect C

Spring Sulfonylurea Herbicides

Mixes

39		•						•		•
40		•				•	•			•
41		•	•	•		•				
42		•			•	•				•
43		•			•	•	•			
44				•		•		•		
45				•		•	•			

	BLW Herbicide	PGR	Mildewicide	CTL	ALS Herbicide	Graminicide	Triazole Fungicide	QoI Fungicide	QoI + Triazole Fungicide	SDHI + Triazole Fungicide	Insecticide
	Easel* Maya* Optica Starane Hi -Load	3C Chlormequat Moddus + 3C‡ Stabilian 750	Corbel Helix§ Justice Talius	Bravo	Starane Gold	Axial# Topik	Cortez Proline 275	Flanker Galileo Oranis	Fandango Priori Xtra	Tracker Intellis + Cortez Intellis + Proline 275 Vertisan + Cortez Vertisan + Proline 275	Contest Decis Hallmark Permasect C

Key to comments

Axial is only supported in this mix. Topik is not supported.

* Easel and Maya are only supported for use in Mix 1.

§ Helix is only supported for use in Mix 3.

‡ Restricted rates – 3C Chlormequat can be applied up to 1 l/ha in mix with 0.2 l/ha Moddus.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.

Venzar® 500SC

in sugar beet

Provided the products are legally registered in the UK for use in sugar beet, Venzar® 500SC can be tank-mixed with a wide range of approved herbicide partners and adjuvants. Products should only be tank-mixed if each product can be applied within the manufacturers' label recommendations for use.

In any tank-mix, with the exception of phenmedipham, add Venzar® 500SC to the spray tank first and ensure that it is fully dispersed before adding another partner product(s). If a partner product contains phenmedipham, follow the manufacturers' recommendations for mixing that product before adding Venzar® 500SC. When mixing adjuvants with Venzar® 500SC mixes, observe the guidelines on temperatures and stressed crops (see manual text).

FMC do not support the use of adjuvants until the sugar beet has reached the first pair of true leaves fully expanded stages and only then if suitable once the guidelines related to adjuvant use have been considered.

- Please consult manufacturer for specific advice on product rates and appropriate growth stages.
- Ensure all manufacturers labels and all product restrictions for tank-mixing are adhered to.
- Do not mix Venzar® 500SC with graminicides.
- When Venzar® 500SC is used in sequence with graminicides, a 7-day minimum time interval should be observed between applications.

FMC (UK) Limited supports the physical compatibility and crop safety of all tank-mixes listed providing individual products are used according to their label. Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply. Maintain constant agitation at all times. Please ensure you read the 'Compatibility Notes' section for further advice.

Venzar® 500SC may be tank-mixed with one product in any column incorporating mixes up to the maximum of a single row of ticks providing the mixture can be applied within the label recommendations of all partners in the mix. If a box is left blank, then a product from that column group cannot be included in the tank-mix. For example, mix 1 would allow Venzar® 500SC + Debut + Betasana Trio.

Venzar® 500SC

Mixes

1	•							•	
2	•					•			
3	•				•				
4	•		•				•		
5	•		•					•	
6	•		•			•			
7	•		•		•				
8									•
9	•	•		•	•				

	Triflurosulfuron	Metamitron	Clopyralid	Ethofumesate	Phenmedipham	Desmedipham + Phenmedipham	Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Phenmedipham	Desmedipham + Ethofumesate + Lenacil + Phenmedipham
	Debut	Goltix 70SC	Dow Shield 400	Ethosat 500	Betasana SC	Betanal Maxxim	Twin Teamforce SE	Betasana Trio SC	Betanal MaxxPro [‡]

Key to comments

‡ Do not exceed the maximum permitted dose of lenacil.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
ALL MANUFACTURERS TRADEMARKS ARE DULY ACKNOWLEDGED.



PROTECT FOR BETTER GROWTH

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