

Betasana Trio

Providing the foundations for Sugar Beet success

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MAPP No 15551

BETASANA TRIO is a selective post-emergent herbicide for the control of annual weeds in sugar beet, fodder beet and mangels.

BETASANA TRIO combines three complementary active ingredients:

Ethofumesate for

- Long lasting weed control
- Good activity against weeds, including black grass
- Mode of action different to other sugar beet actives
- Enhancing the contact activity of other herbicides

Phenmedipham for

- Effective contact action
- Safe at all stages of growth
- Proven reliability

Desmedipham for

- Rapid contact action
- Improved activity under difficult/cool conditions
- Improved efficacy against key weeds
- Aids ethofumesate to penetrate weeds

Beet crops are extremely sensitive and can easily be damaged by herbicides.

This can result in reduced yields and lower returns. **BETASANA TRIO** is proven to significantly reduce the threat of crop damage.

Using a specially formulated mixture of the three active ingredients above, **BETASANA TRIO** provides the highest level of weed control with unparalleled crop safety.

Product Profile

Brand	BETASANA TRIO
Active ingredient	ethofumesate phenmedipham desmedipham
Inclusion rate	115g/L + 75g/L + 15g/L
Formulation	Suspension Concentrate (SC)
Crops	Sugar beet, fodder beet and mangels
Maximum individual dose	2.5L/ha
Maximum total dose	7.0 L/ha
Latest timing of application	BBCH18 (eight leaves unfolded)
Pack size	5L
LERAP	–
Water volume	100 – 300L/ha

Treatment	Minimum Crop Stage / Recommended Dose (L/kg/ha)			
	Crop emergence	From fully expanded cotyledon	1st true leaves 1cm long*	From 2 true leaves expanded*
BETASANA TRIO	2.0	2.0	2.0	2.5
BETASANA TRIO + Bettix Flo	1.25 + 1.0	2.0 + 1.0	2.0 + 1.0	2.5 + 1.0
BETASANA TRIO + Bettix Flo + Safari Lite		1.0 + 0.5 + 140g		
BETASANA TRIO + Bettix Flo + Vivendi 200				2.0 + 1.0 + 0.5
BETASANA TRIO + Debut/Shiro + Bettix Flo				2.5 + 20g + 0.5
BETASANA TRIO + Debut/Shiro		1.0 + 30g	1.0 + 30g	2.0 + 30g
BETASANA TRIO + Debut/Shiro + Bettix Flo + Venzar Flowable + Oil			2.0 + 20g + 0.5 + 0.4	2.5 + 20g + 0.5 + 0.4
BETASANA TRIO + Debut/Shiro + Efeckt				1.5 + 20g + 0.2
BETASANA TRIO + Debut/Shiro + Venzar Flo		0.75 + 10g + 0.2	2.0 + 10g + 0.4	2.5 + 20g + 0.4
BETASANA TRIO + Debut/Shiro + Vivendi 200				2.0 + 20g + 0.5
BETASANA TRIO + Efeckt				1.5 + 0.3
BETASANA TRIO + Fiesta T	1.25 + 1.0	2.0 + 1.0		2.5 + 1.0
BETASANA TRIO + Oblix MT/Volcano				1.5 + 1.0
BETASANA TRIO + Safari Lite WSB		0.75 + 140g	2.0 + 140g	2.5 + 187g
BETASANA TRIO + Safari Lite WSB + Vivendi 200				2.5 + 187g + 0.5
BETASANA TRIO + Venzar Flowable	0.8 + 0.2	1.5 + 0.2	2.0 + 0.4	2.5 + 0.4
BETASANA TRIO + Venzar Flowable + Bettix Flo		0.75 + 0.2 + 1.0	1.0 + 0.2 + 1.0	2.0 + 0.4 + 1.0
BETASANA TRIO + Vivendi 200				2.5 + 0.5

*** Add adjuvant Oil to the tank mix according to temperature where crops are healthy**

Maximum temperature (°C) on the day of spraying	Dose of oil (L/ha)
Up to 14	1.0
14-18	0.75
18-21	0.5
Above 21	No oil recommended

Always check the product label to confirm rates or contact your agronomist.

Unless stated otherwise on product labels, the order of adding the products to the spray solution when tank mixing is:

1. Water soluble bags
2. Water dispersible granules (or soluble granules)
3. Wettable powders (or soluble powders)
4. Emulsifiable concentrates (or oil in water emulsions)
5. Adjuvants

Tank Mixes

Please note that the following tank mixes have been tested for physical compatibility with BETASANA TRIO at recommended rates of use and will mix in the sprayer tank. Physical compatibilities may not be approved tank mixes. These tests have not been undertaken to check for any adverse crop phytotoxicity or for the biological efficacy of the individual products when applied as a tank mix. UPL Europe Ltd accepts no liability for physical compatibilities; therefore use is at grower's own risk.

BETASANA TRIO is physically compatible with **any one** of the following tank-mix partners:

Beetup Compact	Bettix Flo	Efeckt	Oblix 500SC	Target SC
Beetup Flo	Corzal SE	Ethofol 500SC	Oblix MT	Venzar Flowable
Betanal Maxim	Debut	Ethosat 500	Rifle	Vivendi 200
Betanal Turbo	Defiant SC	Fiesta T	Safari Lite WSB	Volcano
Betasana SC	Dow Shield 400	Goltix Flowable	Shiro	

For the latest information on tank mix recommendations, please visit our website at www.uplsugarbeet.co.uk.

Betasana Trio 1.5L/ha – 2.0L/ha

From cotyledon to fully extended cotyledon of the crop and weeds.

Betasana Trio 1.75L/ha – 2.0L/ha + Adjuvant Oil

Second and subsequent sprays from fully expanded cotyledon stage of the crop.

Add adjuvant oil e.g. Toil according to temperature.



Black bindweed



Cleavers



Fat-hen



Field pansy



Knotgrass



Mayweeds



Redshank



Volunteer OSR

Betasana Trio – A Flexible Tank Mix Partner

In situations where robust treatments are required due to delayed spraying or difficult weeds, BETASANA TRIO is a safe, reliable and cost effective tank-mix partner.

BETASANA TRIO 1.0L/ha + Safari Lite 140g/ha + Bettix Flo 0.5L/ha*

Can be used from the fully expanded cotyledon stage of the crop.

BETASANA TRIO 2.0L/ha + Debut/Shiro 20g/ha + Bettix Flo 0.5L/ha + Venzar Flowable 0.4L/ha*

A two spray 'Broadacre' type programme can be used from 1st true leaves 1cm long of the crop.

* Adjuvant oil e.g. Toil can be added from the 1st true leaves 1cm long stage of healthy crops.

Betasana Trio – Volunteer Potato and Thistle Control

BETASANA TRIO can safely be mixed with Vivendi 200 or Dow Shield 400 from the 2 true leaves expanded stage of the crop to control volunteer potatoes and thistles.



Thistles



Volunteer potatoes



Andrew Speed

Country Manager UK & Ireland
M: 07525 703 361
E: andrew.speed@uniphos.com

Pam Chambers

Technical Manager UK & Ireland
M: 07809 227 583
E: pam.chambers@uniphos.com

Jason Spencer

Account Manager UK & Ireland
M: 07887 628 357
E: jason.spencer@uniphos.com

Louise Dalgliesh

Campaign Manager UK & Ireland
Account Manager UK
M: 07584 172 970
E: ldalgliesh@uniphos.com

David Raine

Sales Scotland
M: 07584 172 229

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Use plant protection products safely.

Other brand names used in this guide are trademarks of other manufacturers, in which proprietary rights may exist.

Always read the label and product information before use.