

Betasana TRIO

Triple-action weed control
with added **crop safety**.



The **triple action beet herbicide** that offers
proven **improved crop safety** and **increased
crop yields**.

Betasana TRIO

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 active ingredients that complement each other to meet the agronomic needs of beet and mangel growers throughout the UK:

Ethofumesate – 115g/l

- Long lasting weed control
- Excellent protection against grass weeds
- Enhances contact activity of other herbicides

Phenmedipham – 75g/l

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

Desmedipham – 15g/l

- Rapid contact action
- Improved efficacy against key weeds
- Aids ethofumesate to penetrate weeds



Betasana TRIO vs Standard



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 three active ingredients **Betasana TRIO** provides the highest level of weed control with unparalleled crop safety.

Increased Yields Through Added Crop Safety

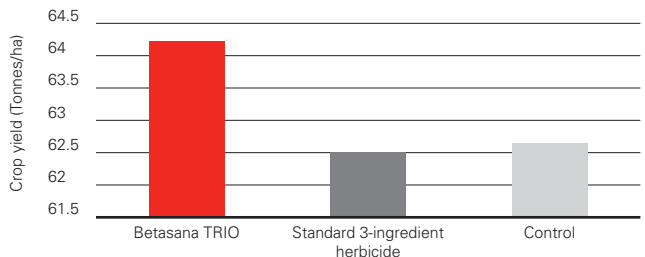
Betasana TRIO can improve yields by as much as **1.8 tonnes per hectare**.*

Betasana TRIO from United Phosphorus Limited uses Structured Surfactant Formulation (SSF) technology to provide excellent crop safety with enhanced weed control.

UK trials have shown that because it is kinder to the crop, **Betasana TRIO** can improve yields by as much as 1.8 tonnes per hectare compared with the standard 3 – way herbicide.

A series of UK trials showed that **Betasana TRIO** offered improved levels of weed control compared to the standard three-way treatment.

UK sugar beet herbicide trials – average crop yields



*In United Phosphorus Limited UK trials

Product Profile

Active ingredient: 115g ethofumesate
75g phenmedipham
15g desmedipham

Label crops: Sugar beet, fodder beet and mangels

Maximum individual dose: 2.5 litres/hectare

Maximum total dose: 7.0 litres/hectare

Pack size: 5 litres

Betasana TRIO contains at least 22% more active ingredient per treatment compared to the standard three-way treatment.*

Active ingredients at maximum recommended rates (compared)

	Ethofumesate	Phenmedipham	Desmedipham	Total
Betasana TRIO (application rate: 2.5 litres)	287.5g	187.5g	37.5g	512.5g
Standard 3 ingredient herbicide (Application rate: 1.5 litres)	226.5g	112.5g	37.5g	376.5g

Target Weeds:

Betasana TRIO provides effective control of a full range of annual weeds:

Annual meadow grass	Annual mercury	Black bindweed
Charlock	Chickweed	Cleavers
Fat hen	Forget-me-not	Field pansy
Field pennycress	Ivy-leaved speedwell	Knotgrass
Mayweeds	Orache	Pale persicaria
Red dead-nettle	Redshank	Shepherd's purse
Small nettle	Sun spurge	

* Depending on the rate of application

Best use advice

Post-emergence broad-leaved weed control in sugar beet



Product	Rate (l/ha)	Target
Crop emergence	From fully expanded cotyledon	From 2 true leaves unfolded
Betasana TRIO	2.0	2.5
Betasana TRIO + Bettix/Defiant	1.25 + 0.75 - 1.0	2 - 2.5 + 1.0
Betasana TRIO + Venzar Flowable	0.8 + 0.4	2.0 - 2.5 + 0.4
Betasana TRIO + Pyramin DF	1.25 + 0.7	2.0 - 2.5 0.7
Betasana TRIO + Fiesta	1.25 + 1.0	2.0 - 2.5 1.0
Betasana TRIO + Bettix/Defiant + Venzar Flowable	0.75 + 1.0 + 0.2	1.25 + 1.0 + 0.2
Betasana TRIO + Debut + Dow Shield	0.75 + 0.03 + 0.35	1.25 + 0.03 + 0.35
Betasana TRIO + Debut + Dow Shield	0.75 + 0.02 + 0.5	0.75 + 0.02 + 0.5
Betasana TRIO + Debut	0.75 - 1.0 + 0.03	1.25 - 1.5 + 0.03
Betasana TRIO	2.0	Broad spectrum weed control including annual grasses, cleavers, common chickweed, fat hen, polygonum spp.
Betasana TRIO + Bettix/Defiant	1.25 + 0.75 - 1.0	As Betasana TRIO + annual meadow grass, fat hen, field pansy, knotgrass, mayweed, small nettle
Betasana TRIO + Venzar Flowable	0.8 + 0.4	As Betasana TRIO + brassica spp. (including volunteer OSR)
Betasana TRIO + Pyramin DF	1.25 + 0.7	As Betasana TRIO + black-bindweed, black nightshade, ivy-leaved speedwell, red dead-nettle
Betasana TRIO + Fiesta	1.25 + 1.0	As Betasana TRIO + cleavers + fool's parsley
Betasana TRIO + Bettix/Defiant + Venzar Flowable	0.75 + 1.0 + 0.2	As Betasana TRIO + volunteer OSR
Betasana TRIO + Debut + Dow Shield	0.75 + 0.03 + 0.35	As Betasana TRIO + fool's parsley, mayweeds, small nettle, volunteer oilseed rape
Betasana TRIO + Debut + Dow Shield	0.75 + 0.02 + 0.5	As Betasana Trio + fool's parsley, mayweeds, volunteer potatoes
Betasana TRIO + Debut	0.75 - 1.0 + 0.03	As Betasana TRIO + brassica spp., fool's parsley, mayweeds, small nettle

Features, advantages and benefits

Features	Advantages	Benefits
Unique SSF technology	Excellent crop safety	Increased yields Improves gross margin
Contains at least 22% * more active ingredient than the standard three-way treatment	Outstanding protection against a full range of annual weeds	Increased yields Improves gross margin
Three products in one	Easy to use Reduced number of wetters	Reduced application time Reduced packaging

Structured Surfactant Formulation Technology

A unique formulation based on an emulsion incorporating a crop safe adjuvant, which delivers maximum efficacy and crop safety.

Compatibility

Betasana TRIO is suitable for use on all soil types and is compatible for use with the following products:

- **Metamitron 700g/litre**
- **Lenacil 440g/litre**
- **Chloridazon 430g/litre**

For further information on tank mix compatibilities please go to our website www.upleurope.com.

* Depending on the rate of application



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At the date of publication the information contained in this leaflet reflects up to date recommendations. Such advice is frequently revised and amended and the pack label should always be consulted before use of any product is attempted. Additional up to date information can be found on our website www.upleurope.com.

Betasana TRIO is a registered trademark of United Phosphorus Limited.

Betasana TRIO contains ethofumesate, phenmedipham and desmedipham.

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

Use plant protection products safely.

Always read the label and product information before use.

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Betasana TRIO

Triple action weed control with added crop safety:

- **Increase crop yields** – trials have shown an additional 1.8 t/ha compared to other herbicides.
- **Kinder to the crop** – excellent crop safety in trials.
- **22% more active ingredient** per application than the standard three-way treatment.

For further information on Betasana TRIO, contact your local agrochemical distributor or call United Phosphorus on 01925 819999.



United Phosphorus Ltd



Made in Britain