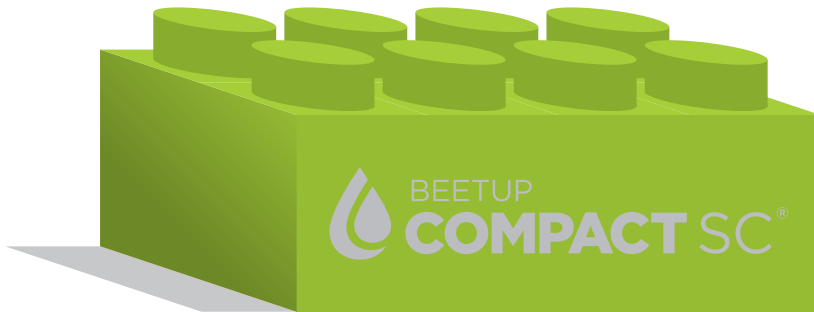


Beetup Compact SC

Providing the foundations for Sugar Beet success

12 January 2016





MAPP No 15566

BEETUP COMPACT SC is a selective post-emergent herbicide for the control of annual weeds in sugar beet. It contains an 80:80 ratio of phenmedipham combined with desmedipham.

The addition of a robust rate of desmedipham means; greater activity than phenmedipham alone with more rapid contact action and improved efficacy against key weeds. The co-formulation is optimised to aid ethofumesate to penetrate the target surface effectively and BEETUP COMPACT SC is more stable and therefore less reliant on temperature and light than phenmedipham alone.

Product Profile

Brand	BEETUP COMPACT SC
Active ingredient	phenmedipham desmedipham
Inclusion rate	80 g/l + 80 g/l
Formulation	Suspension Concentrate (SC)
Crops	Sugar beet
Maximum individual dose	2 l/ha
Maximum number of treatments	–
Maximum total dose	6 l/ha
Latest timing of application	Before crop leaves meet between the rows
Pack size	5 litres
LERAP	B
Water volume	100 litres

Best Use Advice

The application of BEETUP COMPACT SC to crops suffering from stress may lead to a check in growth.

If substantial day to night fluctuations in temperature occur shortly before or after the application, growth may be checked.

Weeds are best controlled at the seedling stage when growing actively in warm, moist, sunny conditions. Under poor growing conditions control may be reduced.

BEETUP COMPACT SC should be used as a repeat low dose treatment when weeds are at the cotyledon stage. If sprayed at later growth stages weed control may be reduced.

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
BEETUP COMPACT SC	1.5	2.0		2.0 + Oil**
BEETUP COMPACT SC + Oblix MT/Volcano	1.0 + 1.25	1.5 + 1.75		1.5/2.0 + 1.75 + Oil**
BEETUP COMPACT SC + Venzar Flowable	1.0 + 0.4	1.5 + 0.4		1.5/2.0 + 0.4
BEETUP COMPACT SC + Debut	1.0 + 30g	1.5 + 30g or 1.5 + 10g + Oil**		2.0 + 30g + Oil**
BEETUP COMPACT SC + Debut + Venzar Flowable	1.0 + 10g + 0.2	1.5 + 10g + 0.2		2.0 + 10g + 0.2
BEETUP COMPACT SC + Safari Lite WSB	1.0 + 140g	1.5 + 140g		2.0 + 280g + Oil**
BEETUP COMPACT SC + Fiesta T	1.0 + 1.0	1.5 + 1.0		2.0 + 2.0
BEETUP COMPACT SC + Ethofol 500 SC/Efeckt		1.5 + 0.4		1.5 + 0.6
BEETUP COMPACT SC + Safari Lite WSB + Oblix MT/Volcano		1.0 + 140g + 1.0	1.5/2.0 + 140g + 1.0 + Oil**	1.5/2.0 + 280g + 1.0 + Oil**
BEETUP COMPACT SC + Oil**		1.0 + Oil**		1.5/2.0 + Oil**
BEETUP COMPACT SC + Bettix Flo	1.0 + 1.0	1.0 + 1.0 + Oil**		1.5/2.0 + 1.0/1.5 + Oil**
BEETUP COMPACT SC + Vivendi 200		1.5/2.0 + 0.5		1.5/2.0 + 0.5
BEETUP COMPACT SC + Debut + Venzar Flowable + Ethofol 500 SC/Efeckt + Bettix Flo			2.0 + 20g + 0.4 + 0.4 + 0.5 + Oil**	
BEETUP COMPACT SC + Oblix MT/Volcano + Venzar Flowable				2.0 + 1.5 + 0.2
BEETUP COMPACT SC + Oblix MT/Volcano + Vivendi 200			1.5 + 1.5 + 0.5	2.0 + 2.0 + 0.5
BEETUP COMPACT SC + Safari Lite WSB + Vivendi 200				2.0 + 280g + 0.5
BEETUP COMPACT SC + Ethofol 500 SC/Efeckt + Vivendi 200				2.0 + 0.6 + 0.5
BEETUP COMPACT SC + Debut + Oblix MT/Volcano				1.0 + 30g + 1.0

**Using oil – Vary the dose according to the temperatures below

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

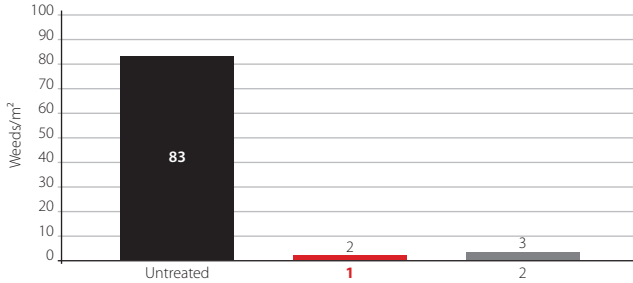
Please note that the following tank mixes have been tested for physical compatibility with BEETUP COMPACT SC at recommended rates of use and will mix in the sprayer tank. Physical compatibilities may not be approved tank mixes. These tests have not been undertaken to check for any adverse crop phytotoxicity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

BEETUP COMPACT SC is physically compatible with **any one** of the following tank-mix partners:

Bettix Flo	Ethofol 500SC	Phemo	Venzar Flowable
Debut	Ethosat 500	Safari Lite WSB	Vivendi 200
Defiant SC	Goltix Flowable	Target SC	
Dow Shield 400	Oblix 500SC	Torero	
Efeckt	Oblix MT	Volcano	

For the latest information on tank mix recommendations, please visit our web site at www.upsugarbeet.co.uk.

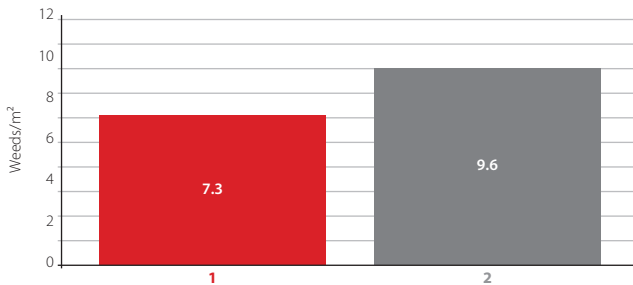
Product Performance – Broom’s Barn 2012 UPL Trial



Source: Rothamsted Research, Broom’s Barn 2012
 LSD = 25 (Comparison between treatments)
 LSD = 18.4 (Comparison between untreated and treatments)

T1	T2	T3
1 Beetup Compact SC 1.0 + Torero* 1.25 + Oil	Beetup Compact SC 1.5 + Torero* 1.75 + Oil	Beetup Compact SC 1.5 + Torero* 1.75 + Oil
2 Standard 2 way** 0.5 + Torero* 1.25 + Oil	Standard 2 way** 0.75 + Torero* 1.75 + Oil	Standard 2 way** 0.75 + Torero* 1.75 + Oil

Overall ABLW Control Suffolk 2013 UPL Trials



Untreated = 104.3 weeds/m²

Source: UPL Suffolk 2013 Dewar Crop Protection
 Assessed: 4 July 2013
 LSD = 9.82
 CV = 30.3

T1	T2	T3
1 Beetup Compact SC 1.0 + Oblix MT* 1.25	Beetup Compact SC 1.5 + Oblix MT* 1.75 + Oil	Beetup Compact SC 1.5 + Oblix MT* 1.75 + Oil
2 Standard 2 way** 0.5 + Oblix MT* 1.25	Standard 2 way** 0.75 + Oblix MT* 1.75 + Oil	Standard 2 way** 0.75 + Oblix MT* 1.75 + Oil

*Torero/Oblix MT contain 150g ai of ethofumesate and 350g ai of metarnitron. **phenmedipham + desmedipham 160:160 formulation

Trials Summary

BEETUP COMPACT SC compares favorably with similar desmedipham:phenmedipham products to give reliable weed control and is an important tank mix partner.

Summary

- Improved activity and speed of contact action compared to solo products
- Safe at all stages of crop growth
- Proven reliability
- Flexible application timings
- Aids ethofumesate to penetrate weeds
- More stable, less reliant on temperature and light than phenmedipham solo.



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