

Beet Crops

Technical Update 01

10 May 2018

If you wish to continue to receive technical information from UPL please click on the email entitled 'GDPR - Keeping You Updated - Action Required'.

UPL Europe Ltd, Annual Broad-leaved Weed (ABLW) Sugar Beet Trials – Suffolk 2018

The 2018 season has started off as a challenging one with a wide range of beet growth stages and still quite a few crops to be drilled. On lighter soils a few crops were drilled in March, but the majority of drills did not start until April. UPL Europe Ltd has three ABLW herbicide trials in Suffolk this year and all had to wait until the middle of April before drilling could commence. Fortunately the later drilled crops in most cases seem to be emerging very quickly, although localised hail and rain has caused havoc with some fields here in Suffolk. The trial fields are looking promising and beet has come through nicely.

Two of the trials are looking at different programmes with some 'old favourites' included but there are also some new inclusions as well. Last season the cost of herbicide programmes for ABLW control in the UPL trials ranged from £60/ha to just over £135/ha, a large difference in cost but also in the amount of management required and number of passes with the sprayer. The cheaper programmes were also the cause of some interesting debates in the field regarding the number of weeds left behind – to some it was an acceptable level, to others intolerable! So it's best to understand what is required from the outset!

The third trial for 2018 is looking at what the different 'straights' bring to weed control, last season we looked at this for the first time in UPL trials. It was a good opportunity for young and old to discuss what the key actives, metamitron, ethofumesate, phenmedipham, desmedipham and triflusaluron brought to a programme. We were lucky in that the trial site provided a good selection of weeds that illustrated key differences in control levels; we hope we are lucky again this season.

Once again the UPL trials are based in Suffolk, at Mendlesham, courtesy of Ian Downie and at Yaxley on the Hammonds farm a big thank you to both these growers who put up with quite a lot of hassle through the season apart from having to try and be enthusiastic about the level of weeds in the trial plots!

Details of the UPL trials with spraying progress to date are shown in Table 1.

Table 1. Details of Sugar Beet Trials 2018 – Suffolk

Location	Drilling Date	Pre-em	1st Post-em
Mendlesham	21.04.18	22.04.18	Planned for this week
Yaxley (Kemp's)	19.04.18	20.04.18	Planned for this week
Yaxley (Barn Field)	17.04.18	None applied	Planned for this week



Photo 1. Barn Field Sugar Beet



Photo 2. Kerseys Field



Photo 3. Kerseys Sugar Beet

BETASANA TRIO – a Flexible Product for all Post-emergence Timings

A key beet product for UPL is **BETASANA TRIO** which is an ethofumesate (115g/L) phenmedipham (75g/L) and desmedipham (15g/L) formulation. **BETASANA TRIO** can be used from crop emergence on fodder beet, mangel, red beet and sugar beet and is very safe to the crop. Where an early spray is required at the crop emergence stage then the following are UPL supported options:

- **BETASANA TRIO** 2.0L/ha
- **BETASANA TRIO** 1.25L/ha + **BETTIX FLO** (metamitron) 1.0L/ha

Once the crop reaches the 'fully expanded cotyledon' stage then there are a large number of options available these can be found in the **BETASANA TRIO** 'Best Use Guide' that is available at uk.uplonline.com. Table 2, provides a quick guide to rates of **BETASANA TRIO** compared to Betanal maxxPro.

Table 2. BETASANA TRIO Rates Compared to Betanal maxxPro

Product Name	Rate/ha	Active applied/ha at given rate				
		phen	des	phen + des	etho	lenacil
BETASANA TRIO	1.0	75	15	90	115	—
Betanal maxxPro	0.75	45	35	80	56	20
BETASANA TRIO	1.25	94	19	113	143	—
Betanal maxxPro	1.0	60	47	107	75	27
BETASANA TRIO	1.5	112	22	134	172	—
Betanal maxxPro	1.25	75	58	133	94	34
BETASANA TRIO	2.0	150	30	180	230	—
Betanal maxxPro	1.50	90	70	160	112	40

UPL Europe Ltd Beet Products 2018 – Key Information

There have been a few new introductions in the UPL beet product range for the 2018 season, details of these are provided in Table 3; remember to check individual product labels for full details.

Table 3. New UPL Beet Products for 2018

New Product Name	MAPP No.	Active	Key Label Facts
BETTIX FLO SC	18245	metamitron	No change compared to BETTIX FLO apart from <ul style="list-style-type: none"> • Maximum total dose is 10.2L/ha compared to 5.0L/ha • BETTIX FLO SC, DEFIANT and TARGET SC now all have the same label
DEFIANT	18216	metamitron	No change compared to DEFIANT SC apart from <ul style="list-style-type: none"> • Maximum total dose is 10.2L/ha compared to 5.0L/ha • BETTIX FLO SC, DEFIANT and TARGET SC now all have the same label
ETHOFOL	18224	ethofumesate	ETHOFOL has a different label to ETHOFOL 500 SC <ul style="list-style-type: none"> • Maximum individual dose is 2.0L/ha pre-emergence • Maximum individual dose is 0.6L/ha post-emergence The maximum individual dose for ETHOFOL 500 SC was 0.8L/ha for both pre and post-emergence use.

Note that over the next few years there will be further changes within the UPL product range a 'Registration Update: Beet Products' was issued in November 2017 that provides further information, this is available at uk.uplonline.com.

The active ethofumesate has progressed successfully through the renewal process at EU level and we now expect new product labels for the 2019 season. Currently phenmedipham and desmedipham are going through the renewal process and we await the outcome of this. UPL anticipate that for the 2019 season all of the current UPL range will still be able to be used on farm. We will continue to update you as more information becomes available.



Lenacil Containing Products Approved for use on Sugar Beet and Fodder Beet

This season there are some key changes regarding the use of lenacil containing products and their approval on sugar beet and fodder beet. Table 4 below gives an overview of key changes but make sure the full label for each product is also consulted.

In particular note that the use of lenacil pre-emergence is now no longer approved with the new Venzar 500 SC formulation on either sugar beet or fodder beet.

Key points regarding tank mixes and support from UPL Europe Ltd

- With Venzar 500 SC no support is given with tank mixes of UPL products until the crop has reached BBCH10 (cotyledons horizontally unfolded)
- Venzar 500 SC can be applied in tank mix with UPL products after BBCH10 at the same timings and rates that were supported for Venzar Flowable. See 'Best Use Guides' for individual UPL products for information on supported rates, these can be found at uk.uplonline.com.

Table 4. Approved Products for Sugar Beet and Fodder Beet Containing Lenacil

Product Name	MAPP No.	Actives g/L of Lenacil	Label Status	Approved Crops	Max. Individual Rate/ha of Product	Max. Total Rate /ha of Product or Number of Applications	Comments
Betanal maxxPro	15086	27	Full	S.Beet F.Beet	1.5L	4.5L	Post-em use only on S.Beet and F.Beet.
Safari Lite WSB	17954	714	Full	S.Beet	280g	2 applications	The new MAPP number does not have approval for use on F.Beet.
	12169		Full	S.Beet		3 applications	
			0470/17	F.Beet			
Venzar Flowable	06907	440	Full	S.Beet	5.0L pre-em + 1.3L post-em Or 0.4L post-em	1 application + 1 applications Or 3 applications	Do not exceed a total of 1.3L/ha for post-em use on S.Beet. Final use date for MAPP 06907 is 28.02.19.
				F.Beet	5.0L pre-em	5.0L pre-em	
				0737/17	F.Beet	0.4L	1.2L
Venzar 500 SC	17743	500	Full	S.Beet	0.4L	Max. of 1.0L/ha of product/year can only be applied once in 3 years	Cannot be applied before BBCH10 (cotyledons horizontally unfolded. Not approved for pre-em use on F.Beet.
				0481/18			

Next week, advice on weed control and updates from the UPL trials and hopefully less of the legislation issues!

If you require further technical information on the UPL beet product range then please contact Pamela Chambers, Technical Manager at pam.chambers@uniphos.com.

BASIS points for the technical information provided by this series of updates are TBC.

To claim them email assistant@basis-reg.co.uk.

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