

Nufarm Technical Update



Spring cereals weed control made simple

Certain weeds have caused farmers and agronomists headaches for years, such as ALS chickweed, corn marigold, fumitory spp, groundsel, mayweeds, polygonums, poppies and many more.

Nufarm's **BOLT** is the perfect solution to control these difficult weeds in both winter & spring cereals.

BOLT's novel formulation has been trialled for over 5 years in spring cereals (spring barley & oats) and has proved to be extremely effective in controlling these problematic weeds & with the correct partner will provide complete BLW control.

If you need to control the following...

Brassicae spp	Chickweed (non-ALS)	Corn Marigold	Fat Hen	Hemp Nettle	For-get-me-not
Fumitory spp	Groundsel	Mayweed spp (non-ALS)	Poppies (non ALS)	Polygonums spp	Speedwell spp

Nufarm's Agronomy Solution

BOLT 17-20g/ha + Duplosan KV 1.25-1.75l/ha

Main crops:	Spring barley & Spring oats
Additional crops:	Winter barley, Winter oats & Winter wheat
Application timing:	Spring crops up to BBCH31
Buffer Zone:	LERAP B
Observation:	This mix is extremely kind to the crop , even in oats!



- An innovative co-formulation containing two complimentary active ingredients: 200g/kg florasulam + 600g/kg tribenuron (WG)
- Mode of action – inhibition of ALS
HRAC/WSSA group 2 (Legacy HRAC B)
- Delivers 5 g florasulam + 15 g tribenuron at full rate (25 g/ha)
- Broad spectrum BLW control including cleavers
- **Excellent activity on weeds, even in colder conditions**
- Paramount Max should be mixed with a non-ALS herbicide to prevent ALS resistance
- LERAP B
- Earliest application: BBCH 13, not before 15th March
Latest applications: BBCH 39 (winter), **BBCH 32 (spring)**

Other scenarios... Including ALS Chickweed, Corn Marigold, Fumitory, etc.

ALS-resistant Chickweed	Brassicae spp	Cleavers	Corn Marigold	Dead Nettle, Red	Fat Hen
Forget-me-not	Fumitory spp	Hemp Nettle	Mayweeds (non-ALS)	Polygonum spp	Speedwell spp

Nufarm's Agronomy Solution

BOLT 17-20 g/ha + Duplosan KV 1.0 l/ha + fluroxypyr (200 g/l) 0.4 l/ha

Main crops:	Spring barley & Oats
Additional crops:	Winter barley, Winter oats & Winter wheat
Application timing:	Spring crops before BBCH32
Buffer Zone:	LERAP B
Observation:	Mix is extremely kind to the crop , even in oats!

ALS-resistant Chickweed	Brassicae spp	Cleavers	Corn Marigold	Dead Nettle Red	Fa Hen
For-get-me-not	Fumitory spp	Hemp Nettle	Mayweed spp (non-ALS)	Polygonum spp	Poppies

Nufarm's Agronomy Solution

BOLT 17-20 g/ha + fluroxypyr (200 g/l) 0.5-0.75 l/ha + MSO 0.5 l/ha

Main crop:	Spring barley
Additional crops:	Winter barley, Winter rye, Winter oats, Winter triticale & Winter wheat
Application timing:	Spring crops up to BBCH32
Buffer Zone:	LERAP B
Observation:	This mix is <u>NOT SUITABLE</u> for OATS

BOLT

- ✓ Novel formulation
- ✓ Controls difficult weeds such as corn marigold, cleavers, groundsel, vol. vetch and more!
- ✓ High crop safety even in spring oats
- ✓ Good activity even in cooler conditions
- ✓ Tank mixable
- ✓ Easy clean out with All Clear Extra

Nufarm Technical updates are eligible for 1 BASIS CPT/year Ref: **CP/120111/2223/g** Email claim to linda@basis-reg.co.uk

Paramount Max contains florasulam and tribenuron-methyl. Lector contains florasulam
 Duplosan KV contains 600 g/l mecoprop -methyl. Eagle contains amidosulfuron

MSO contains methylated Rapeseed oil

Pixxaro contains halauxifen-methyl and fluroxypyr

Duplosan KV, Eagle, Lector and Paramount Max are a Nufarm trademark.

Pixxaro is a Corteva trademark

All Clear is a FMC trademark.

Details of application rates and timings are given in Nufarm labels and product literature; both of which can be accessed from our website www.nufarm.com/uk. Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website www.nufarm.com/uk. Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.

Cereal BLW Control Chart

Crops:	Winter Cereals	Winter Cereals	Spring Barley & Oats	Spring Barley	Spring Barley & Spring oats	Spring Barley & Oats	Under-sown Grass + Clover
WEEDS (< 6 leaf)	Lector 100ml/ha	BOLT 20g/ha	BOLT 17-20g/ha + Duplosan KV 1.25-1.5l/ha	BOLT 17-20g + Fluroxypyr 0.5-0.75l/ha + MSO 0.5l/ha	BOLT 17-20g/ha + Duplosan KV 1.0 l/ha + Fluroxypyr 0.4 l/ha	BOLT 13-17-g/ha + Pixxaro 0.3-0.4 l/ha	Eagle 40g/ha
Bindweed (Black)	**	**	***	**	***	***	**
Bur-Chervil	-	-	**	*	*	*	**
Charlock	***	***	***	***	***	***	***
Non ALS Chickweed	***	***	***	***	***	***	**
ALS Chickweed	*	*	**	***	***	**	*
Cleavers	***	***	***	***	***	***	***
Corn Marigold	**	***	***	***	***	***	**
Cranesbill sp.	-	**	***	***	***	***	**
Deadnettle (Red)	-	***	***	***	***	***	**
Fat Hen	-	**	***	***	***	***	***
Fools Parsley	-	***	***	***	***	***	**
Fumitory	-	**	***	***	***	***	*
Groundsel	***	***	***	***	***	***	**
Hempnettle	***	***	***	***	***	***	**
Knotgrass	**	***	***	***	***	***	**
Non ALS Mayweed	***	***	***	***	***	***	**
Nettle (Small)	-	***	***	***	***	***	***
Orache	-	**	***	***	***	***	***
Pansy (Field)	-	**	**	**	**	*	**
Non ALS Poppy	**	***	***	***	***	***	**
Redshank	**	***	***	***	***	***	***
Runch	***	***	***	***	***	***	***
Shepherd's Purse	***	***	***	***	***	***	***
Speedwell (Field)	-	*	**	*	**	*	*
Speedwell (Ivy lf.)	-	*	**	*	**	*	*
Volunteer Beans	**	***	***	***	***	***	***
Wild Carrot	-	-	-	-	-	***	-

*** Good control 80% + ** Moderate control; 60-80% * Some control 40-60% - Tolerant

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