



## Spring Cereals Broad-Leaved Weed Control Made Simple

Autumn 2024 has seen successful establishment of winter cereals this season with early sowing and good growing conditions. For spring cereals, fieldwork and sowing has been largely completed during the recent dry spell –

A welcome change from the challenges of recent Springs!

With a long growing season and better yield potential ahead, now is the time to plan and undertake an effective weed control strategy to protect this investment and maximise crop returns.

Nufarm offer a range of Agronomy Solutions including **PARAMOUNT MAX** across many challenging weed situations, providing the perfect solution to control troublesome weeds in both Winter & Spring Cereals.

**PARAMOUNT MAX'S** novel formulation has been trialled for over six years in Spring Cereals (Barley & Oats) and has proved to be extremely effective in controlling a wide variety of weeds, and with the correct **Phenoxy** partner will provide complete BLW control and protect against potential SU resistance in weeds such as Cleavers and Groundsel.

**If you need to control the following...**

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

**Nufarm's Agronomy Solution:**  **PARAMOUNT MAX** +  **DUPLOSAN® KV**



**PARAMOUNT MAX 20 g/ha + DUPLOSAN KV 1.25-1.75 L/ha**

Main Crops:	<b>Spring Barley &amp; Spring Oats</b>
Additional Crops:	Winter Barley, Winter Oats & Winter Wheat
Application Timing:	Spring crops <b>up to BBCH31</b>
Buffer Zone:	Aquatic buffer zone 5 M
Observation:	This mix is <b>extremely kind to the crop</b> , even in Oats!

### Product Summary **PARAMOUNT MAX**

- An innovative co-formulation containing two complimentary active ingredients: **200 g/kg florasulam + 600 g/kg tribenuron-methyl (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 (Broad-Leafed Weed) control including Cleavers
- **Excellent activity on weeds, even in colder conditions**
- **PARAMOUNT MAX** should be mixed with a non-ALS herbicide partner (i.e. Phenoxy) to prevent ALS resistance
- 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.

<b>ALS- resist. Chickweed</b>	Brassicae spp	Cleavers	<b>Corn Marigold</b>	Dead Nettle, Red	Fat Hen
Forget-me-not	<b>Fumitory spp</b>	Hemp Nettle	Mayweeds (non-ALS)	Polygonum spp	Speedwell spp

### Nufarm's Agronomy Solution: **PARAMOUNT MAX** + **DUPLOSAN® KV** + **Fluroxypyr**



**PARAMOUNT MAX 20 g/ha + DUPLOSAN KV 1.0 L/ha + 200 g/l Fluroxypyr 0.4 L/ha**

Main Crops: **Spring Barley & Spring Oats**  
 Additional Crops: Winter Barley, Winter Oats & Winter Wheat  
 Application Timing: Spring crops **up to BBCH32**  
 Buffer Zone: Aquatic buffer zone 5 M  
 Observation: This mix is **extremely kind to the crop**, even in Oats!

<b>ALS- resist. Chickweed</b>	Brassicae spp	Cleavers	<b>Corn Marigold</b>	Dead Nettle, Red	Fat Hen
Forget-me-not	<b>Fumitory spp</b>	Hemp Nettle	Mayweeds (non-ALS)	<b>Polygonum spp</b>	Poppies

### Nufarm's Agronomy Solution: **PARAMOUNT MAX** + **Fluroxypyr** + **MSO**



**PARAMOUNT MAX 20 g/ha + 200 g/l Fluroxypyr 0.4 - 0.75 L/ha + MSO 0.5 L/ha**

Main Crops: **Spring Barley**  
 Additional Crops: Winter Barley, Winter Rye, Winter Triticale & Winter Wheat  
 Application Timing: Spring Barley **up to BBCH32**  
 Buffer Zone: Aquatic buffer zone 5 M  
 Observation: This mix is **NOT SUITABLE** for OATS  
 MSO can cause crop damage in Oats  
 Non-synthetic hormone approach



- ✓ 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

# Cereal BLW Control Chart

Crops:	Winter Cereals	Winter Cereals	Spring Barley & Oats	Spring Barley	Spring Barley & Spring Oats	Spring Barley & Oats
<b>WEEDS</b> ( < 6 leaf)	Lector 100 ml/ha	Paramount Max 25 g/ha	Paramount Max 20 g/ha + Duplosan KV 1.25-1.75 L/ha	Paramount Max 17-20g + fluroxypyr 0.5-0.75 L/ha + MSO 0.5 L/ha	Paramount Max 20 g/ha + Duplosan KV 1.0 L/ha + fluroxypyr 0.4 L/ha	Paramount Max 20 g/ha + Pixxaro 0.3-0.4 L/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

## FURTHER INFORMATION

10 credits have been allocated to these technical bulletin series. Subscribers can claim their IASIS Credits by emailing: [ann@iasis.ie](mailto:ann@iasis.ie) quoting **Reference IAS-nuf2548-3**

Duplosan KV contains 600 g/l mecoprop-P

Paramount Max contains 200 g/kg florasulam and 600 g/l tribenuron-methyl

Lector contains 50 g/l florasulam

Pixxaro contains 12 g/l halauxifen-methyl and 280 g/l fluroxypyr

MSO contains methylated seed oil

Duplosan KV, Lector & Paramount Max are all trademarks of Nufarm

Pixxaro is a Corteva 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/ie](http://www.nufarm.com/ie). 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/ie](http://www.nufarm.com/ie). Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.