



## Problem weeds in spring cereals?

There have been weeds in spring cereals that have repeatedly caused farmers and agronomists headaches over the years, such as corn marigold, vetches, ALS-resistant chickweed, fumitory, mayweeds and more.

These problems are now of the past with **Nufarm’s Agronomy Solutions** including **Bolt**.

This novel formulation has been trialled over 3 years in spring cereals (both spring barley and oats) and has proved to be extremely effective in controlling problem weeds and with the correct partner will provide complete BLW control.

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

Brassicae	Chickweed (non ALS-resistant)	Cleavers	<b>Corn Marigold</b>
Fat Hen	Fumitory spp	Mayweeds	Polygonums

Nufarm’s Agronomy Solution: **18-20 g/ha Bolt + 1.25-1.75 l/ha Duplosan KV**

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

### Paramount Max

- 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
- Paramount Max should be mixed with a non-ALS herbicide to prevent ALS resistance
- Earliest application: BBCH 13, Latest applications: BBCH 39 (winter), BBCH 32 (spring)

Other scenarios...

<b>ALS-resistant Chickweed</b>	Brassicæ	Cleavers	Corn Marigold	Fat Hen
Forget-me-not	Fumitory spp	Hemp Nettle	Groundsel	Speedwell spp

Nufarm’s Agronomy Solution:

**18-20 g/ha Bolt + 1.0 l/ha Duplosan KV + 0.5 l/ha fluroxypyr (200 g/l)**

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

<b>ALS-resistant Chickweed</b>	Brassicæ	Corn Marigold	<b>Fat Hen</b>	<b>Field Pansy</b>
Forget-me-not	<b>Fumitory spp</b>	Mayweeds spp	Polygonums	Poppies

Nufarm’s Agronomy Solution:

**18-20 g/ha Bolt + 0.75 l/ha fluroxypyr (200 g/l) + 0.5 l/ha methylated seed oil**

- Main crop: **Spring barley only**
- Additional crops: Winter barley, Winter rye, Winter triticale, Winter wheat
- Application timing: Spring crops **to before 2<sup>nd</sup> node**
- Observation: Non-phenoxy approach to broad leaved weed control.  
NB: Do not tank-mix with growth regulators or fungicides



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

**FURTHER INFORMATION**

2 credits have been allocated to these technical bulletins. Subscribers can claim their IASIS Credits by emailing: [ann@iasis.ie](mailto:ann@iasis.ie) reference IAS-21-nuf

Duplosan KV contains mecoprop-P.  
Bolt contains florasulam and tribenuron-methyl.  
Duplosan is a Nufarm trademark.  
All Clear is an 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/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.

