

Volunteer control in cereals.

Topic Sheet Ireland



Volunteer control throughout the rotation is an important consideration on farm. Not only will volunteers compete with the crop for yield and crop nutrition, but they also shade weeds from herbicides, act as hosts for pest and diseases and potentially cause quality issues at harvest.

Weather conditions at harvest and cultivation techniques can severely affect the likelihood of bean, pea and cereal volunteers germinating in the following crop.

The table below indicates the efficacy, i.e. maximum growth stage of volunteers controlled by Corteva herbicides, in some instances based on limited or anecdotal information,

assuming good growing conditions and active growth.

Please check the individual product labels for appropriate application timings.

Key: TL – True Leaves, BFBV – Before flower buds visible, S – Susceptible, MS – Moderately Susceptible. # Volunteer barley control is variable and will be incomplete, † Does not include Clearfield varieties, † Control will be improved by the addition of a Sulfonylurea herbicide X = DOES NOT CONTROL

Weed	Broadway® STAR + Adj	Galaxy®	Pixxaro® EC		Starane® HI-LOAD HL	Zypar®	
	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Barley	265g/ha Incomplete#	1l/ha X	0.375l/ha X	0.5l/ha X	0.6l/ha X	0.75l/ha X	1l/ha X
Beans	Flower Buds	4 TL	8 TL	Flowering	-	8 TL	Flowering
Borage	4 TL	MS	-	2 TL	4 TL	-	4 TL
Linseed	6 TL	MS	-	10cm	BFBV	6 TL	6 TL
OSR †	6 TL	4 TL	-	-	X	Flowering	Flowering
Peas	4-6TL	4 TL	8 TL	Flowering	X	8 TL	Flowering
Potatoes	MS	-	-	MS <20cmt	S if + Harmony MSX	X	X
Winter Oats (Volunteers)	Up to GS24	X	X	X	X	X	X
Oats (Wild)	Up to GS31	X	X	X	X	X	X
Sugar Beet (from seed)	4 TL	MS	-	-	MS	2 TL	6 TL
Wheat	X	X	X	X	X	X	X



Control of oats with Broadway Star

Irrespective of variety (winter/spring) or type (wild or volunteers) control with all ALS inhibitor chemistry declines beyond GS30.

- Optimum timing for control is prior to tillering, mid-tillering at latest.
- Broadway Star + adjuvant will control spring oats up to GS21.

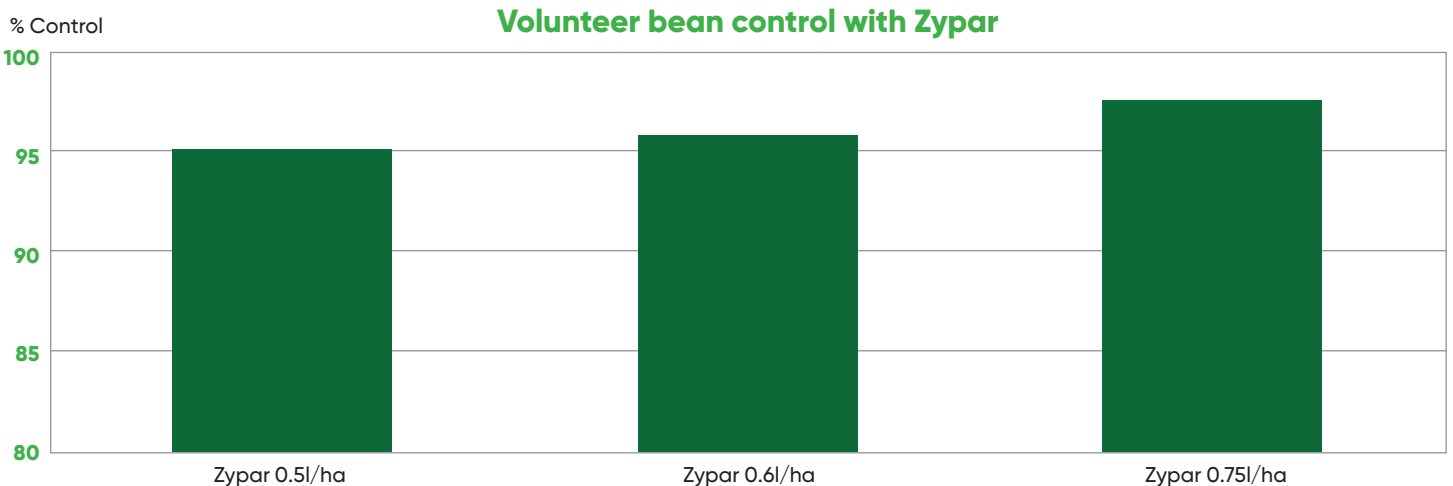
Autumn volunteer bean control with Zypar

Not only are volunteer beans competitive with the crop, their presence in cereals can also cause problems for contact graminicides as large leafy bean volunteers can shade grassweeds and reduce control. Autumn is the best time to control volunteer beans.

For volunteer bean control with Zypar:

- Use 0.5L/ha- up to 8 true leaves (4 pairs)
- Not affected by temperature

This graph shows Zypar control of volunteer beans 56-112 days after application. Beans 2-6 true leaves (1-3 pairs) at time of application.



Note: Beans germinating after application will not be controlled.

Visit us at [corteva.ie](https://www.corteva.ie)