

Volunteer Control in Cereals.

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 of Corteva herbicides against common volunteer species. This information is based on limited or anecdotal information in some cases and , assumes good growing conditions and active growth.

Please check the individual product labels for appropriate application timings.

Weed	Broadway Star + Adj	Galaxy/Dakota	Pixxaro		Spitfire/Nevada	Starane Hi-Load	Starane XL	Zypar	
	265g/ha	1l/ha	0.375l/ha	0.5l/ha	1l/ha	0.6l/ha	1.5l/ha	0.75l/ha	1l/ha
Beans	BFBV	4 TL	8 TL	15cm	8 TL†	-	8 TL	8 TL	Before Flowering
Borage	4 TL	MS - 4TL	-	2 TL	6 TL	4 TL	6 TL	MS 4TL	4 TL
Linseed	6 TL	4cm	5cm	10cm	10cm	BFBV	20cm	8cm	8cm
OSR ¹	8 TL	4 TL	-	-	BFBV	4 TL	BFBV	Before Flowering	Before Flowering
Peas	BFBV	4 TL	8 TL	15cm	8 TL†	2 TL	8 TL	8 TL	Before Flowering
Potatoes	-	-	-	MS <20cm‡	MS 4TL	S if + Harmony M SX	MS 4TL	X	MS 10cm
Sugar Beet (from seed)	4 TL	MS 4 TL	-	-	6 TL	MS	6 TL	4 TL	6 TL

Key: TL – True Leaves, BFBV – Before flower buds visible, S- Susceptible, MS – Moderately Susceptible.

† efficacy can be reduced if peas and beans are heavily waxed, the addition of an adjuvant if approved may be advantageous,

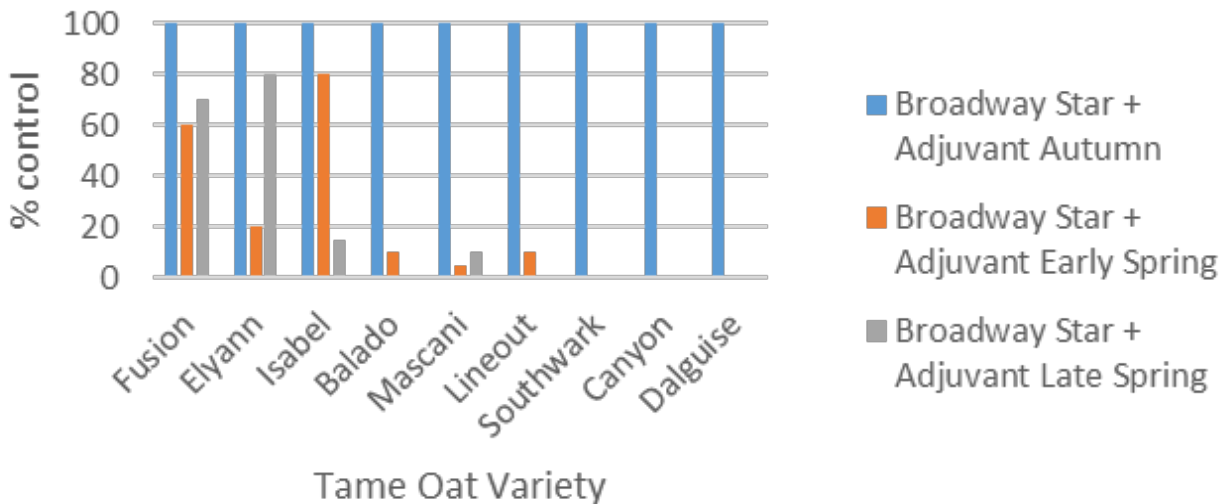
¹ Does not include Clearfield varieties,

‡ Control will be improved by the addition of a Sulfonyl urea herbicide

X = DOES NOT CONTROL

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 wild oats up to GS31.
- A Corteva Agriscience trial from 2021/22 showed that autumn was the optimum timing for using Broadway Star + adjuvant to control the following tame oat varieties - Fusion, Elyann, Isabel, Balado, Mascani, Lineout, Southwark, Canyon and Dalguise.
- In the same trial, spring applications resulted in lower control due to less than ideal weather conditions at the time of application, however, spring applications of Broadway Star still gave acceptable levels of control of Fusion, Elyann and Isabel volunteer oats.