

Arable Update

JANUARY 2021

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Get set for spring weed control in cereal crops.

Wet weather and snow looks set to delay early herbicide applications in cereal crops, but farmers are being advised to be prepared to move quickly once sprayers are able to travel.

With more winter cereal crops drilled now, compared to 12 months ago, spring spraying workloads look likely to be compressed so getting on top of grass and broad-leaved weeds early will be a priority in the coming weeks, when the weather allows.

Whilst controlling Bromes, Ryegrass and Wild Oats should be the priority, growers shouldn't forget that key yield robbing broad-leaved weeds such as Cleavers, Cranesbill and Poppy are best controlled early, before they become a problem.

For broad-leaved weed control **Zypar**[®] can be used in winter cereals from 1 February and 1 March for spring-drilled

crops, right up to growth stage 45. The contact-acting herbicide gives good control of key problem weeds with robust performance in cold and variable conditions.

Controlling yield-sapping weeds while they are small is a good anti-resistance strategy, but it requires farmers to be ready to go when conditions allow.

Zypar has excellent tank mix compatibility and no following crop restrictions.

Zypar, which contains Arylex[™] Active, provides good control of Poppy – including ALS-resistant populations – as well as Cleavers, Cranesbill, Chickweed, Mayweed, Fat Hen, Fumitory and Charlock, even at low or fluctuation temperatures.

Where a mix of broad-leaved weeds and grassweeds need controlling in spring cereals, **Pixxaro**[®] or Zypar plus **Broadway**[®] **Star** can be tank mixed to also control wild oats.

Top tips for grassweed control.

If conditions are suitable for applications of **Broadway**[®] **Star**, adding a residual is generally beneficial in programmes until the end of February, providing soils still hold enough moisture.

Wait for weeds to show active growth – soil temperatures at 10cm depth should be higher than 6°C for 2–3 days either side of the application, and air temperatures greater than 8°C.

If it is still too cold for **Broadway**[®] **Star**, apply a residual.

Broadway[®]
STAR

HERBICIDE



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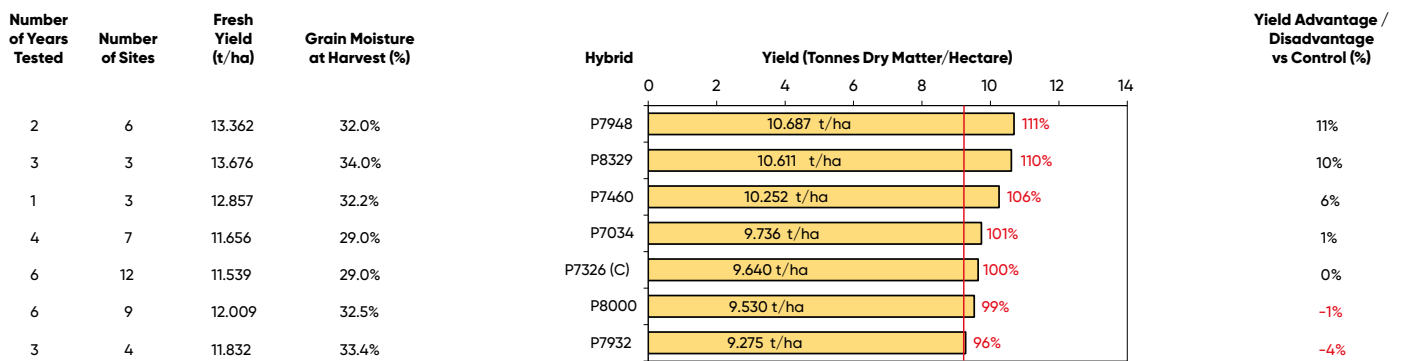
Maize for grain in the UK.

The interest and opportunity to grow maize for grain is increasing amongst both arable and mixed farmers in the UK. The UK is currently importing around 2.8 million tonnes per year and the current production area in the UK is between 8 000 – 12 000 ha, producing approx. 100 000 tons of maize grain, equating to less than 4% of total use. So, in terms of market size, there is plenty of room and opportunity for expansion.

There are many advantages of growing maize for grain, including:

- To increase the duration and diversity of the rotation
- An opportunity to address Blackgrass problems
- Utilize manure, slurry and digestate
- Improve soil organic matter level
- Spread work load
- Out yield wheat on lighter ground.

Grain trials, grown in the open 2015 - 2020



■ Grain Yield, Tonnes/Hectare at 15% Moisture ■ Relative Yield Index (C = 100%)
 C = Control Hybrid; * = Competitor Hybrid, ** = Trade name following official registration

Grain strip trial results summary, grown in the open 2015 - 2020

Hybrid Name	No. of Years	No. of Sites Fresh Yield Tonnes / Hectare	Grain Moisture % at Harvest	Grain Yield, Tonnes/Hectare at 15% Moisture	Grain Yield, Tonnes/Acre at 15% Moisture	Relative Yield Index (C=100%)	Value of Maize Grain, £/Ha*	Financial Return Compared to Control, £/Ha
P7948	2	6	13.362	32.0	10.687	111%	1389.32	136.15
P8329	3	3	13.676	34.0	10.611	110%	1379.47	126.29
P7460	3	3	12.857	32.2	10.252	106%	1332.67	79.58
P7034	4	7	11.656	29.0	9.736	101%	1265.62	12.44
P7326 (C)	6	12	11.539	29.0	9.640	100%	1253.18	0.00
P8000	6	9	12.009	32.5	9.530	99%	1238.95	-14.22
P7932	3	4	11.832	33.4	9.275	96%	1205.79	-47.39

When selecting a maize hybrid for grain, it is best to consider:

- A maturity that allows full grain to fill in the area which it is grown
- Consistent high yields
- Ear covered by husk to reduce spoilage
- Resistance to root lodging
- Resistance to Fusarium (causes brackling and can lead to mycotoxins)
- Resistance to Eyespot
- No dropping of the ears before harvest.

Pioneer have two hybrids that produce consistently high yields in our national PACTS grain trials:

- P7948 is the highest yielding, excellent standing power
- P7034 where earlier maturity is the key consideration.



Spring clean your oilseed rape with Korvetto.

As spring emerges from the short, dark days of winter, so do the broad-leaved weeds that no oilseed rape grower wants to see poking above their crop.

Poppies, Mayweeds, Cleavers and Thistles can not only out-compete crops – left unchecked they can also cause harvest headaches and create a seed return to the soil which compounds the problem in future years.

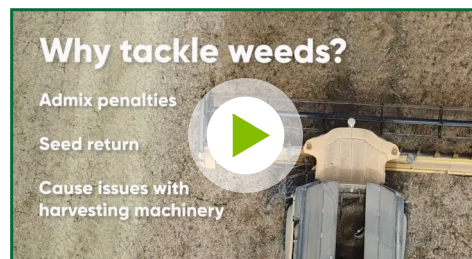
A solid autumn programme will have kept key problem weeds at bay, but early spring is an important time to monitor the emerging burden in the field.

Korvetto® has excellent activity on the weeds that steal yield and cause issues at harvest.

It contains Arylex™ Active – the same active ingredient used in autumn herbicide **Belkar**® – in formulation with clopyralid.

The application window is from 1 March to growth stage BBCH50 (flower buds visible above the crop). The added strength of Arylex in the formulation means Korvetto has unrivalled activity on those familiar red-faced weeds – Poppies, Mayweeds, Cleavers and Thistles – that become visible above the crop as the season progresses.

There are no following crop restrictions, and farmers are free to use 1L/ha of Korvetto if they have applied a post-emergence herbicide in the autumn such as Belkar or **AstroKerb**®.



John Sellars, Corteva Agriscience Oilseed Rape Category Manager, provides a brief masterclass on Korvetto. [Click to watch](#)

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Please include course name 'Arable Update' and number 'CP/100738/2021/g' on your training record and send to: cpd@basis-reg.co.uk. These details apply until 31 May 2021.

We're here to help you. Corteva's Technical Services Team



Georgina Clayton



Nicola Perry

For technical advice and support, contact the technical hotline or your local Corteva Area Manager.

Technical hotline: **0800 689 8899** Email: ukhotline@corteva.com

Orders: custserv@corteva.com General enquiries: 01462 457272

Email: CortevaUK@corteva.com You can also visit our website for additional contact numbers. Follow us on [Facebook](#) and [Twitter](#) or search for @CortevaUK on social media.



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