

Technical Information Sheet

Univoq™ is a fungicide for the control of *Septoria tritici*, brown rust, yellow rust, powdery mildew, fusarium head blight and tan spot in wheat, durum wheat, rye, triticale and spelt wheat.

Key facts

Product Registration Number:	MAPP No. 19930
Active Ingredient:	50 g/l fenpicoxamid (Inatreq) and 100 g/l prothioconazole (FRAC Code 21 and 3)
Pack Size:	5 litres
Formulation:	Emulsifiable Concentrate (EC)
Maximum Individual Dose Rate:	2.0 l/ha
Maximum Total Dose:	2.0 l/ha
Maximum No. of Applications:	1 per crop per season
Application Timing:	Beginning of stem elongation (GS30) - end of flowering (GS69)
Water Volume:	Ideally use a minimum spray volume of 200 l/ha. If lower water volumes are used, then the spray concentration should not exceed 0.7%. Spray pressure at 2-3 bar is recommended.
Buffer Zone:	Boom sprayer must be fitted with three-star drift reduction technology or 30 m from the top of any surface water bodies. If the ditch contains water an unsprayed buffer zone of 12 m must be observed, if dry this is reduced to 1 m .
Rainfastness	1 hour

Key benefits

- Univoq is a broad-spectrum fungicide containing fenpicoxamid (Inatreq) and prothioconazole. Univoq is part of a new class of chemistry called picolinamides, which has a new site of action against cereal diseases.
- Outstanding control of *Septoria tritici*, brown rust, yellow rust, powdery mildew, tan spot and leaf scald with both persistent protectant and curative activity.
- Univoq can be used on all commercial varieties of wheat, durum wheat, rye, triticale and spelt wheat.
- The broad-spectrum, superior disease control of Univoq leads to longer green leaf retention and increased yield.
- The combination of fenpicoxamid and prothioconazole offers robust resistance management as well as disease control.

Best use advice

- Ideally apply at T2 to see maximum yield benefits but Univoq™ could alternatively be applied at T1 if preferred.
- Best results will be achieved if applied before disease becomes established in the crop.
- The use of low drift nozzles does not negatively affect the performance of Univoq.
- Apply at T2 timing (GS39) – keeps yield building leaves greener for longer.

Dose rate recommendations

- **T2/GS39** Dose rate as per guidance in chart below:

	Risk based on variety, drill date, weather, location, disease observation etc	
Situation risk level	High risk	'Typical' risk
Risk factor indicators	Varietal resistance rating < 5.0	Varietal resistance rating 5.0-7.0
	Strong curative activity required	Low to moderate rainfall
	September drilled	Early-Mid Oct drilled
	Interval T1 to T2 4 weeks +	Interval T1 to T2 = 3-4 weeks
Univoq	Dose rates (L/ha)	Dose rates (L/ha)
	1.5	1.25

- **Lower risk situations may exist, and advisors need to consider appropriate doses in this case.**
- 1.0 l/ha should be considered as the lowest effective dose reserved for situations where several low risk factors coincide, such as late drilled and highly resistant varieties.
- Similarly, if used at T1 rates of 1.0-1.2 l/ha should be considered depending on variety, disease pressure and the anticipated gap between T1 and T2 timings.

Resistance management

Only **one** application of a picolinamide containing product can be made per crop. As a result, Univoq is, by default, going to be used in alternation with products containing different modes of action. Please observe the specific disease instructions and recommended rates of use for these products.

Tank mixing and application

- Before applying Univoq we recommend visiting our Inatreq Sprayer Advice webpage for our best practice application advice and sprayer parts guidance www.corteva.co.uk/inatreqadvice.
- Univoq has been tested in many multi-way tank mixes with a variety of PGRs, herbicides, trace elements and other key fungicides.
- Products should only be tank mixed if each product can be applied with the label recommendations for its use.
- For a full tank mix list please visit the website: <https://www.corteva.co.uk/tools-and-advice/tank-mix.html>.

Disease spectrum

Univoq will give control of the following diseases in the crops shown in the table below:

Disease	Wheat	Durum wheat	Triticale	Rye ¹	Spelt wheat ¹
Septoria leaf blotch and glume blotch	C	C	C		C
Yellow rust	C	C	C	C	C
Brown rust	C**	C	C	C	C
Powdery mildew	C	C	C	C	C
DTR/Tan spot	C	C			C
Fusarium ear blight*	C	C			C
Rhynchosporium				C	

C = Control, ¹Qualified Minor use

*Application of Univoq to ears of wheat can lead to reduction in the levels of mycotoxin deoxynivalenol (DON) associated with Fusarium ear blight infection, but this level of effect may not necessarily lead to reduction of DON below the statutory limit in wheat grain.

**A follow-up T3 application may be beneficial if brown rust persists, or infection appears late in the growing season.