

# The Herbicides

Two herbicide options are available for autumn 2020, Cleravo® and Cleranda®. Both herbicides offer:

- The widest range of broadleaved weed control, including the brassica weeds such as charlock, runch and hedge mustard.
- Control of volunteer cereals (useful effects on bromes and wild-oats present at application).
- Risk of erucic acid minimised by removing volunteer oilseed rape and brassica weeds.

Both herbicides should be applied to small, actively growing weeds. Applications should target 1-4 true leaves for broad-leaf weeds and 2-3 leaves of volunteer cereals, bromes and wild-oats. Typically, this will be in September or October. This post emergence timing provides good timing flexibility but is still early enough to remove weeds quickly and protect yield. Clearfield herbicides must be applied with 1 l/ha Dash HC to ensure good weed control, and good spray coverage is essential to maximise the foliar uptake of the herbicides.

## Cleranda®

Cleranda® is a co-form of imazamox and metazachlor for use on any winter oilseed rape crop carrying the CL suffix. The metazachlor adds some residual activity where there is protracted weed germination.

For a full version of the Cleranda® label, please visit [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

	Imazamox	Metazachlor
g/ai per litre	17.5	375
g/ai per hectare	35	750
Crop	Clearfield® WOSR hybrids only	
Recommendation	2.0 l/ha + 1.0/ha Dash HC	
Max applications	One	
Crop timing	From expanded cotyledon to < 9TL (GS 19)	
Soil type	Light, medium, heavy	
LERAP category	B	
Pack size	10 litres	

To protect water, avoid use of **metazachlor** herbicides on **drained land** after middle of October (Voluntary Initiative 'OSR Herbicides, Think Water')

## Cleravo®

Cleravo® is a co-form of imazamox and quinmerac for use on any winter oilseed rape crop carrying the CL suffix. Since it is metazachlor-free it allows a sequence with metazachlor where required

For a full version of the Cleravo® label, please visit [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

	Imazamox	Quinmerac
gram/ai per litre & per hectare	35	250
Crop	Clearfield® WOSR (& SOSR) hybrids only	
Recommendation	1.0 l/ha + 1.0/ha Dash HC	
Max applications	One	
Crop timing	From expanded cotyledon to < 9TL (GS 19)	
Soil type	Light, medium, heavy	
Aquatic buffer zone	None	
Pack size	5 litres	

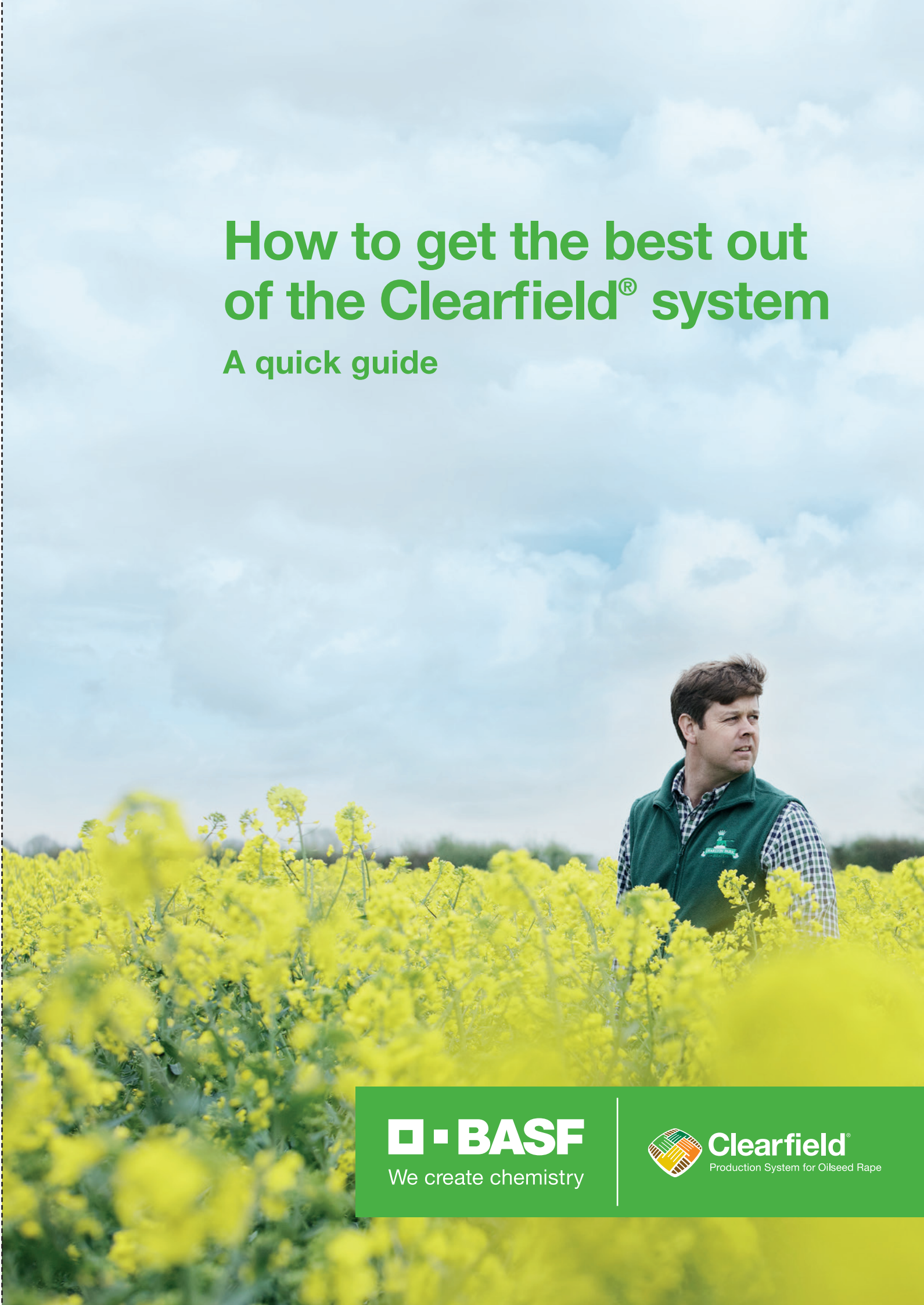
To protect water, avoid use of **quinmerac** herbicides on **drained land** after middle of October (Voluntary Initiative 'OSR Herbicides, Think Water')

For further information contact your local BASF agronomy manager or visit [agricentre.basf.co.uk/Clearfield](http://agricentre.basf.co.uk/Clearfield)  
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Clearfield, Cleranda and Cleravo are registered Trade Mark of BASF. Cleranda contains metazachlor + imazamox. Cleravo contains quinmerac + imazamox. Use plant protection products safely. Always read the label and product information before use. For further information including warning phrases and symbols refer to [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

# How to get the best out of the Clearfield® system

## A quick guide



**BASF**  
We create chemistry

**Clearfield®**  
Production System for Oilseed Rape

# How to get the most out of Clearfield®

## 1 Choose your Clearfield® hybrid

You have a wide range of choice.

There are 16 Clearfield® hybrids available for autumn 2020. With the increased interest in varieties offering autumn and spring vigour there are good options in this list. All varieties are tolerant to ALS herbicide residues which may be present in the soil, this tolerance aids a quick start in the autumn.

Take the time to discuss with your agronomist or seed seller, which hybrid best suits the needs of your farm.

BENEFIT	
Rapid establishment	✓
Market leading varieties	✓

BASF	InV1166CL   InV1266CL
Corteva Agriscience™	PT279CL   PX111CL
Dekalb	DK Imperial CL   DK Importer CL   DK Impression CL   DK Impressario CL
DSV	Phoenix CL   Plurax CL   Simplex CL
Grainseed	Es Aquarel CL   Es Decibel CL
KWS	Himmedia CL
Limagrain	Conrad CL
RAGT Seeds	Nizza CL

## 2 Sow your Clearfield® hybrid



**1** Clean out the drill before adding Clearfield® seed.



**2** Do not mix with non-Clearfield® seed.



**3** Make a note of the variety name in your farm software.

## 3 Choose your Clearfield® herbicide

To gain the full benefit of weed/volunteer control from the Clearfield® system, the Clearfield® hybrid must be treated with a Clearfield® herbicide.

Discuss with your agronomist to see what's best for you.

**CLERANDA®:**  
Imazamox & metazachlor

**CLERAVO®:**  
Imazamox & quinmerac

BENEFIT	
Wide weed range and Volunteer OSR control	✓
Removes sources of erucic acid	✓

For more detailed information on Clearfield® herbicides, please refer to page 4 of this leaflet.

## 4 Get the application right and wash out your sprayer



### Timing

Apply to **small, actively growing** weeds. Target **1-4 true leaves** for broad-leaved weeds. Typically, this will be in **September or October**.



### Dash HC

Always apply Clearfield® herbicides with 1 l/ha of Dash HC to improve weed control.



### Ensure good spray coverage

To maximise foliar uptake of the herbicides.



### Only apply to Clearfield® OSR!

Application to non-Clearfield® OSR will result in total crop loss. Maintain good sprayer hygiene.

## 5 Minimise OSR volunteers

To minimise volunteers from any oilseed rape crop (including Clearfield® crops), fields should be harvested at the optimum stage of maturity, as overripe crops have the potential to shed more seed.

### At harvest

- Avoid losses from the combine
- Avoid transfer of seed to other fields

### Post-harvest

- Delay cultivation of rape stubble for two weeks if soil is moist, or four weeks if dry, to reduce dormancy

## 6 Control Clearfield® volunteers

Best management practice is to control volunteer oilseed rape plants in the immediately following crop, or prior to its establishment. The following active ingredients are available for control of Clearfield® volunteers in subsequent crops.

Crops	Active ingredients	Crops	Active ingredients
Legumes	Bentazone	Spring Cereals	Pendimethalin
	Pendimethalin		Picolinafen
Maize	Bromoxynil		Bromoxynil
	Mesotrione		Diflufenican
Sugar Beet	Combinations and mixtures of metamitron, lenacil, phenmedipham and ethofumesate		MCPA
			Mecoprop-P
Potatoes	Bentazone	Winter Cereals	Pendimethalin
	Metribuzin		Picolinafen
			Diflufenican
			Bromoxynil
			Mecoprop-P
			MCPA

Products and active substances referenced above have approval for use in the UK at the time of going to print, but approval status should be checked on an on-going basis.

## Removal of Erucic Acid

To protect Clearfield® crops from potential erucic acid contamination from other sources during and post-harvest, ensure harvest equipment is fully-cleaned down and that seed is stored and transported separately.

BENEFIT	
Removes sources of erucic acid	✓