



Agronomy solutions for pulse crops in spring

- The key to high yields of peas and beans is to ensure good even establishment and rapid sustained emergence and growth. This actually starts at the previous harvest with good trailer routing and other procedures to prevent soil compaction.
- Peas and beans suffer heavily from weed competition during their early stages of growth. Achieving a fine tilth for the seedbed will not only assist establishment but also help the efficacy of the residual herbicide treatment and potentially avoid the need for follow up post emergence treatments
- Where weeds survive the pre-emergence herbicide early weed removal is essential to protect yield and quality.
- **Benta 480SL** offers the only post-emergence solutions for broad-leaved weed control in spring and winter field beans, broad bean, dwarf French bean and runner beans as well as combining pea, vining pea. It can also be used in linseed, ornamental plant production and potatoes.
- **Benta 480SL** offers the opportunity of a clean up of difficult weeds such as Cleavers and Black Nightshade as well as Volunteer oilseed rape, Charlock, Chickweed, Fools Parsley, Redshank, Shepherd's-purse and Small Nettle.
- Best results will be achieved **with Benta 480SL** when target weeds are small and actively growing. As a contact herbicide, good spray coverage is essential using 100 to 200 l/ha as a fine to medium droplet. The lower volume of 100 litres/hectare should only be used when weeds are no larger than cotyledon stage, weed density is low to moderate and crop shielding is negligible.

Stewardship

- Bentazone is prone to leaching into groundwater.
- Do not apply to shallow sands or gravel soils lacking in organic or clay content in high risk areas such as Drinking Water Groundwater Safeguard Zones for bentazone, and ground water source protection zones 1+2, or to waterlogged soils
- Do not spray when heavy rain is likely within the next 7 days

High risk areas can be identified with the Bentazone high risk mapping tool:

<https://maps-eu.ramboll.com/portal/apps/webappviewer/index.html?id=3f1750a5d0a048c598123b90daf44acd>

Benta 480 SL label

Crop:	Max single dose (l/ha)	Maximum no. of applications (per crop)	Latest time of application
Field bean (winter)	2	One or Two as a split dose (see 'Other specific restrictions')	Up to and including 7 leaf pair stage
Dwarf French bean	2	One or Two as a split dose (see 'Other specific restrictions')	Before flower buds visible
Runner bean	2	One or Two as a split dose (see 'Other specific restrictions')	Before flower buds visible
Linseed	2	One or Two as a split dose (see 'Other specific restrictions')	Before flower buds visible
Field bean (spring)	2	One or Two as a split dose (see 'Other specific restrictions')	Before the crop exceeds 15 cm in height and before the 7-leaf pair stage
Broad bean	2	One or Two as a split dose (see 'Other specific restrictions')	Single dose – before the 5-leaf pair stage. Split dose – before the crop exceeds 15 cm in height and before the 7-leaf pair stage.
Vining pea, combining pea	2	One	Before flower buds can be found enclosed in the terminal shoot
Potato	2	One or Two as a split dose (see 'Other specific restrictions')	Before shoots exceed 15 cm in height
Ornamental plant production (narcissi)	2	One or Two as a split dose (see 'Other specific restrictions')	-

Other Specific restrictions:

A maximum of 2 litres product per hectare per crop must not be exceeded for split doses. This product must not be applied to ornamental plant production (narcissi) during the flower bud formation.

Use with adjuvants (Winter and spring Field beans only)

The following adjuvants have been shown to be safe up to the maximum rate of 2.0 l/ha of Benta 480 on Field beans:

Wetcit 0.5% of spray volume

Methylated seed oil e.g. Phase II 0.5%, Toil 0.75% of spray volume

The addition of adjuvants may reduce crop safety so the guidance on application conditions should be strictly followed

Nufarm Technical updates are eligible for 1 BASIS CPT/year Ref: CP/112075/2122/g. Email claim to linda@basis-reg.co.uk

Benta 480SL contains bentazone
Benta is a Sharda trademark
Wetcit is a trademark of Oro agri

Details of application rates and timings are given in Nufarm labels and product literature; both of which can be accessed from our website www2.nufarm.com/uk. Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website www2.nufarm.com/uk. Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.