

Combining and Vining Peas

Technical Update

April 2019

This Technical Update provides information on UPL products that are approved for use on combining and vining peas. In all situations consult processors before using; labels must be read in conjunction with this update. **Changes since the 2018 edition are highlighted in red.**

Summary Information for UPL Products that can be used on Combining and Vining Peas

Product	Active	MAPP No.	EAMU ¹	Final Use Date	Key Use
MISSION 200SL	200g diquat	16977	—	04.02.20	Desiccant on combining peas harvested dry
BELLMAC STRAIGHT	400g MCPB	18636	—	30.04.20	Thistles, docks and volunteer OSR
TROY 480	480g bentazone	16954	—	30.04.22	Annual broad leaved weeds
CHAMANE	250g azoxystrobin	15922	—	06.02.21	Leaf and pod spot, Sclerotinia and Botrytis, or Grey mould
MICROTHIOL SPECIAL	800g sulphur	16989	20151524	31.12.21	Powdery mildew Sulphur deficiency

¹ There are no label changes associated with the new MAPP numbers for MISSION 200 SL, TROY 480 and MICROTHIOL SPECIAL.

² EAMU = Extension of Authorisation for Minor Use, formerly known as 'SOLAS'. Relevant documents can be downloaded from www.secure.pesticide.gov.uk.

Herbicides/Desiccants: MISSION 200SL (16977), BELLMAC STRAIGHT (18636), TROY 480 (16954)

Product	Crop	Max. Ind. Dose	Max No. Apps	HI (Latest App. Date)	Buffer Zone
MISSION 200SL	Combining peas (harvested dry)	3.0L/ha	1	Before harvest	No
BELLMAC STRAIGHT	Peas	4.5L/ha	1	Apply from 3-6 leaf stage, before flower buds found enclosed in terminal shoot.	No
TROY 480	Peas	3.0L/ha	1		No ³

³ The Best Use Guide for **bentazone updated in March 2017** produced by the Voluntary Initiative can be downloaded from their website www.voluntaryinitiative.org.uk.

MISSION 200SL may be applied to combining peas that are harvested dry as a desiccant. On peas that are going for human consumption then consult the processor before adding any adjuvants. Treated crops are generally ready for harvest 7-10 days after application.

All the vining and combining pea varieties on the PGRO Recommended Lists for 2015 were classified by the PGRO as highly tolerant or tolerant to **BELLMAC STRAIGHT + TROY 480** based on UPL commissioned screens.

BELLMAC STRAIGHT can be tank mixed with **TROY 480** and applied to peas when they have three nodes (3 fully expanded leaves). The optimum timing is when the majority of weeds have germinated but are still at the seedling stage. Weeds that are controlled are listed in Table 1. Volunteer rape can be a serious problem in peas and if it is small at the time of spraying then **BELLMAC STRAIGHT** on its own can be cost effective. Where larger plants are present and/or infestations are severe then it is advisable to use in tank mix with **TROY 480**.

Although there is no longer a positive label statement the tank mix of Basagran SG + MCPB is still supported by BASF.

UPL Supported Tank Mixes for use on Combining and Vining Peas

- BELLMAC STRAIGHT 4.0 + TROY 480 3.0
- BELLMAC STRAIGHT 2.0 + TROY 480 1.5
- BELLMAC STRAIGHT 3.75 + TROY 480 3.0

Table 1. Weed Spectrum for BELLMAC STRAIGHT and TROY 480

Product	Susceptible Weeds	Moderately Susceptible Weeds
BELLMAC STRAIGHT	Black-bindweed, Charlock, Creeping thistle, Dock, Fat-hen, Fumitory, Hemp-nettle, Knotgrass, Small nettle, Field pansy, Poppy, Redshank, Shepherd's purse, Sow-thistle (smooth)	Volunteer OSR
TROY 480	Black-nightshade, Charlock, Chickweed, Cleavers, Corn marigold, Fool's parsley, Forget-me-not, Mayweeds, Small nettle, Pale persicaria, Redshank, Scarlet pimpernel, Shepherd's purse, Volunteer OSR, Wild radish	Black-bindweed, Creeping thistle, Fat-hen, Fumitory, Groundsel, Henbit dead-nettle, Orache, Poppy, Sow-thistle (smooth)

Warning: Crops under stress may be checked. Peas should not be sprayed under conditions of high temperatures or humidity. It is recommended that leaf wax tests are carried out with Crystal Violet solution prior to spraying. The use of an adjuvant oil with TROY 480 +/- BELLMAC STRAIGHT on peas is not currently supported by UPL.

Fungicides: CHAMANE (15922) and MICROTHIOL SPECIAL (16989)

Product	Max Total Dose	Max Ind. Dose	Max No. Apps	Application Interval	HI (Latest App. Date)	Buffer Zone
CHAMANE	—	1.0L/ha	2	—	Vining peas 14 days Combining peas 36 days	5m
MICROTHIOL SPECIAL	20.0kg/ha	10.0kg/ha	—	14 days	Apply between June and September	No

CHAMANE can provide useful control of leaf and pod spot. These diseases which are caused by three fungi, *Asochyta pisi*, *Mycosphaerella pinodes* and *Phoma medicaginis* can be spread by seed infection, soil or plant debris and are a problem in wet conditions. CHAMANE is also effective against Botrytis, or grey mould (*Botrytis cinerea*) when applied at first pod set. In rotations that include vegetables, oilseed rape or potatoes, sclerotinia (*Sclerotinia sclerotiorum*) can occur; again a preventive spray of CHAMANE at first pod set can reduce the risk of contamination by sclerotia.

MICROTHIOL SPECIAL can be used as a plant nutrient to correct sulphur deficiency. It is also covered by an 'EAMU' for use as a protectant fungicide to reduce powdery mildew (*Erysiphe pisi*) and can be particularly useful on pea varieties that do not have resistance to this disease.

Peas: Birds Eye Preferred Pesticides 2019

BELLMAC STRAIGHT, TROY 480, and MICROTHIOL SPECIAL are all listed on the Birds Eye preferred pesticides list for 2019. Before using any other products on crops grown for Birds Eye their Fieldsman must be consulted.

References

TROY 480 Vining and combining peas variety list 2019 (UPL)
 Peas: Birds Eye Preferred Pesticides 2019
 TU12 Fungicides For Peas (PGRO)
 TU14 Checklist Of Fungicides & Insecticides for Vining Peas (PGRO)
 TU15 Checklist of Fungicides & Insecticides for Combining Peas (PGRO)
 TU18 Choice Of Herbicides for Vining Peas (PGRO)
 TU19 Choice of Herbicides for Combining Peas (PGRO)

**BASIS points for the technical information provided by this series of updates are CP/67255/1819/g.
 To claim them email assistant@basis-reg.co.uk.**

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