**Venzar® 500 SC**

**Compatibility**

Products should only be tank-mixed if each product can be applied within the label application window and do not have the same target species. When VENZAR® 500 SC tank-mixes are used in sequence with graminicides, the products should only be tank-mixed if each product can be applied within the label application window.

**Restrictions**

• VENZAR® 500 SC should not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, nutrient or lime deficiency or other factors reducing crop growth.

• Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto plants other than those susceptible to VENZAR® 500 SC plus appropriate tank-mix partner. The susceptibility ratings of weeds in the crop are shown below. These ratings indicate which weeds are susceptible to VENZAR® 500 SC plus appropriate tank-mix partner.

**Weed Control**

**Herbicides**

VENZAR® 500 SC works mainly by root uptake. Tank-mixed with a herbicide partner it controls a wide range of broad-leaved weeds in sugar beet and fodder beet. It is most effective when applied as part of a programme when weeds small and actively growing. It can also control some grass weeds. VENZAR® 500 SC has a low risk of causing long-term adverse effects in the aquatic environment. It can be used as a tank-mix partner in the control of a range of broad-leaved weeds in sugar beet and fodder beet. It contains 1,2-benzisothiazolin-3-one. May produce toxic fumes which may cause an allergic reaction.

**Dosage**

Maximum individual dose: 0.4 L/ha

Maximum total per application: 1.5 L

Maximum individual dose: 1 L/ha

Maximum total per application: 5 L

**Method of application**

This product must only be applied at EX.points on the label by hand. May be applied in mixtures provided the total volume used is within the maximum specified for the product being applied. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container rinsed empty clean containers which can be disposed of as non-hazardous waste. Rinse out used containers with water and dispose of safely in an approved waste disposal contractor or collection site except for triple rinse containers which can be disposed of as non-hazardous waste. Do not clean near wells or water sources. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the CPA Voluntary Agreement. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of a tree. To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies (Ireland only) and do not use within 50 m (UK only) of the top of trees or crops other than sugar beet or fodder beet.

**Disposal**

This product is recyclable. Rinse containers thoroughly before recycling. Dispose of empty containers with the CPA Voluntary Agreement. When VENZAR® 500 SC tank-mixes are used in sequence with graminicides, the products should only be tank-mixed if each product can be applied within the label application window.

**Hazardous to Health**

Avoid release to the environment. Do not eat, drink or smoke in the vicinity of spraying. Contaminated work clothing/face protection must be removed and disposed of safely. Contaminated work clothing should not be disposed of in normal domestic waste. Wash contaminated clothing. Wash contaminated work clothing immediately. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container rinsed empty clean containers which can be disposed of as non-hazardous waste. Rinse out used containers with water and dispose of safely in an approved waste disposal contractor or collection site except for triple rinse containers which can be disposed of as non-hazardous waste. Do not clean near wells or water sources. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the CPA Voluntary Agreement. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of a tree. To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies (Ireland only) and do not use within 50 m (UK only) of the top of trees or crops other than sugar beet or fodder beet.

**Emergency Telephone Numbers**

Emergency Tel: 0870 820 0418 or Ireland (01) 901 4670

National Poison Centre: 111 England and Wales; 08454 24 24 24 Scotland or 01 809 2166 or 01 837 9964 (Ireland)

**Spray Tank Clean-Out**

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment must be removed.

2. Remove and clean nozzles, screens and strainers. Clean with ALL CLEAR EXTRA solution containing 50ml of ALL CLEAR EXTRA per 10 litres of water.

3. Loosen and physically remove visible deposits.

4. Wash out container thoroughly, empty into spray tank and dispose of safely. Do not clean near wells or water sources.

5. Flush the entire system with clean water.

6. Flush the entire system with clean water.

7. Spray tank clean-out

**NOTICE TO BUYER**

Wash contaminated clothing immediately. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container rinsed empty clean containers which can be disposed of as non-hazardous waste. Rinse out used containers with water and dispose of safely in an approved waste disposal contractor or collection site except for triple rinse containers which can be disposed of as non-hazardous waste. Do not clean near wells or water sources. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the CPA Voluntary Agreement. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of a tree. To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies (Ireland only) and do not use within 50 m (UK only) of the top of trees or crops other than sugar beet or fodder beet.

**Environmental Consideration**

VENZAR® 500 SC can be tank-mixed with DEBUT, approved formulations of E. I. du Pont de Nemours and Company.® VENZAR and DEBUT are registered trademarks of E. I. du Pont de Nemours and Company.
Apply VENZAR® 500 SC at maximum of 0.4 L/ha with a suitable herbicide tank-mix partner(s).

Crops
VENZAR® 500 SC can be used on all varieties of sugar beet and fodder beet (Ireland only) at the growth stages given below.

Following Crops
After applying VENZAR® 500 SC to a sugar beet crop and fodder beet (Ireland only), only cereals should be sown in the same calendar year. Any crop may be sown or planted in the following spring (i.e. next calendar year). In the event of crop failure for any reason, ploughing and cultivation to a depth of at least 15cm should be carried out. Sow only beet within four months of application of VENZAR® 500 SC provided this agrees with the recommendation of any partner product.

Timing
VENZAR® 500 SC can be applied from the early cotyledon stage of sugar beet as part of a planned programme. The first application should be made when the first weeds have emerged. Subsequent applications should be made every 7 - 14 days when new flushes of weeds are at or just past the cotyledon stage.

Resistance
When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. Development of resistance with a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action.

Volume and Application
BEFORE USING VENZAR® 500 SC, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.

OVERALL APPLICATION
VENZAR® 500 SC should be applied overall in 80 - 150 litres of water per hectare, using suitable equipment to give a fine spray, as defined by BCPC. Good, even spray cover of the weeds is essential for best results. Care should be taken not to overlap spray swathes.

BAND APPLICATION
Similar doses, water volumes and spray quality should be used as in overall application, but the area covered will be dependent upon the row spacing and band width. Careful calibration is essential to achieve best results.

Mixing
VENZAR® 500 SC mixes easily with water, but the following mixing procedure should be followed: Quarter fill the spray tank with water, start the agitation and add the required quantity of VENZAR® 500 SC directly to the tank or via an induction bowl when fitted, without prior creaming. Continue agitation while topping up the tank and while spraying. Use the tank the same day as mixing. For mixing instructions with phenmedipham as a tank-mix partner, see Compatibility Section.

Weather
Avoid high light intensity (full sunlight) and high temperatures (above 21°C) on the day of spraying. Avoid periods of substantial day to night temperature changes or when frost is expected.

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