

**Contents: 5L e**  
**Pack Size: 4x5L e**



ORGANOSILICONE PENETRATIVE ADJUVANT

**Ruby** is an adjuvant oil containing 827 g/L oil (rapeseed fatty acid methyl esters) and 44.5 g/L trisiloxane organosilicone copolymers for use with all plant protection products on edible crops, as well as pre- and post-emergence herbicides.

#### **HEALTH & SAFETY INFORMATION**

**Harmful to aquatic life with long lasting effects.**

Keep out of reach of children. Do not get in eyes, on skin, or on clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: gently wash with plenty of soap and water.

IF SWALLOWED: Rise mouth, do not induce vomiting.

#### **SAFETY PRECAUTIONS**

##### **Operator Precautions**

**Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.**

Wear suitable gloves/protective clothing/eye protection face protection.

**However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.**

When using do not eat, drink or smoke. Do not get in eyes, on skin, or on clothing. Do not breathe spray. Wash all protective clothing thoroughly after use, especially the inside of gloves. Take off immediately all contaminated clothing. IF exposed or if you well unwell, call a POISON CENTER immediately.

##### **Environmental Protection**

Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.

Avoid release to the environment. Refer to special instructions.

##### **Storage & Disposal**

Keep locked up and out of reach of children. Dispose of contents and container in accordance with national legislation on waste disposal.

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In addition, this adjuvant may be used at a maximum concentration of 1.0 % spray solution on the following crops, up to the growth stages specified, with all authorised plant protection products applied up to their full authorised rate.

**Field of use: FOR USE ONLY AS AN ADJUVANT OIL**

RUBY can be used in the following situations with the following restrictions. For maximum number of treatments always follow the statutory conditions of use of the pesticide:

Crops/situations:	Plant protection product:	Maximum concentration (% spray solution):
All edible crops	All authorised plant protection products at half or less than half the authorised plant protection product rate	1.0 %
All non-edible crops, non-crop production	All authorised plant protection products	1.0 %

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS. ADJ A0876**

**RECOMMENDED RATES AND DIRECTIONS FOR USE:**

- For use on soil with residual herbicides (pre- or post- emergence) up to 1 L of Ruby in a minimum of 100 L water (per Hectare), 1.0 % V/V
- For use on edible crops such as cereals 0.25 - 0.75 Litres Ruby in a minimum of 100 L water (per Hectare), 0.25 % to 0.5 % V/V
- For use on edible crops such as leafy vegetables 0.1 - 0.3 Litres Ruby in a minimum of 100 L water (per Hectare), 0.1 % to 0.3 % V/V
- For use on grassland 0.1 - 0.3 Litres Ruby in a minimum of 100 L water (per Hectare), 0.1 % to 0.3 % V/V

**MIXING AND SPRAYING**

Add RUBY to the spray mix as the last operation. Before use ensure that all spraying equipment is clean. Add half the required volume of water and start agitation, add the required plant protection products then the required quantity of RUBY. Fill the tank to the required volume whilst maintaining agitation. Continuous agitation must be maintained until spraying is complete. All application equipment must be thoroughly cleaned with water prior to storage or use on other crops.

**CONDITIONS FOR APPLICATION**

Do not use Ruby on crops or turf damaged by pests, diseases or other herbicides. Do not use Ruby on crops suffering from stress, from nutrient deficiency, waterlogging, water shortage, drought, or soil compaction. Do not use Ruby on crops suffering from frost damage, or where severe frost is likely to occur after application. Before using Ruby with plant protection products, consult the label of the associated plant protection product and use within all statutory conditions on the product label.

Apple and pear	up to and including fruit 5 - 10 mm
Apricot, cherry, peach and nectarine, plum	up to and including first fruit set
Almond	up to and including first fruit set
Table Grapes and Wine Grapes	up to and including first fruit set
Strawberry	up to and including first fruit development
Raspberry	up to and including first fruit set
Blackcurrant and redcurrant	up to and including first visible green fruitlet
Cucumber	up to and including first fruit set
Tomato	up to and including first fruit set on first truss
Broad bean - Fresh, dwarf French bean, edible podded pea, runner bean	up to and including first pod set
Combining pea and vining pea	up to and including flat pod (non-edible pods only)
Field bean	up to and including first pod set
Oilseed rape	up to and including 10% potential pods
Linseed	up to and including 10% capsules formed
Sugar beet	up to and including 6 fully expanded leaves
Hops	up to and including cone set
Cereals	up to and including GS52(1/4 inflorescence)
Forage Maize	up to and including tip of tassel visible
Brussels sprout	up to and including lateral buds begin to develop
Potato	up to and including tuber initiation
Cauliflower	up to and including cauliflower heads begin to form; width of growing tip up to 1 cm2
Lettuce	varieties forming heads: up to and including heads begin to form
Lettuce	varieties not forming heads: up to and including leaf rosette has reached 30% of the diameter typical for the variety
Carrot, Parsnip, Turnip	up to and including 9 true leaves unfolded
Bull's Onion	up to and including 9 leaves clearly visible
Spinach	leaf rosette has reached 30% of the expected diameter typical for the variety
Broccoli / calabrese	up to and including heads begin to form; width of growing tip > 1 cm2
Aubergine, Melon, Pepper and Chili, Winter Squash and Pumpkin	up to and including first fruit set
Red beet	up to and including six fully expanded leaves. Does not include beetroot grown for salad leaf use
Soya bean, Soya bean - Fresh, Soya bean - Dry	end of flowering: first pods visible (approx 5mm length) - BBCH 69-609

**5L**