

AGRO-CARB

A water-soluble powder potassium fertilizer for foliar application for crops as listed

COMPOSITION:

Potassium (K₂O)22.16 %m/m

Read the label carefully before opening.

GROUP	1	FERTILIZER
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Batch No:

Manufacturing date:

Expiry date:

NET MASS:

Registered and Distributed by:

Optimum Agro (Pvt) Ltd
12 Highfield Road,
Southerton, Harare
Zimbabwe.
Tel: 0242774725



Supplied by:

AECI Plant Health
(a division of AECI Ltd.)
14 Field Road, Lilianton,
Boksburg, 1459, South Africa
Tel +27 11 823 8000
www.aeciph.com

UN No.: Not regulated

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A water-soluble powder potassium fertilizer for foliar application for crops as listed

COMPOSITION:

Potassium (K₂O)22.16 %m/m

DIRECTIONS FOR USE - USE ONLY AS INDICATED.

Use exclusively as fertilizer. Mix well before use.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label as well as by the method, time and accuracy of application. Furthermore, the registration holder, does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal, or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

GENERAL APPLICATION GUIDE:

Foliar application: Dilute 300-1000 g/100 L (2.5-5.5 kg/ha) and apply as a full cover application, repeat every 7-14 days or as required.

STORAGE:

Agro-Carb should be stored out of direct sunlight and in a dry and cool place under frost-free conditions. Keep the product locked up and out of reach of children and pets. Avoid contamination of foodstuff or water sources. Agro-Carb is a water-soluble potassium powder which should be mixed with water and applied as a foliar spray with equipment equipped for conventional full cover applications.

MIXING INSTRUCTIONS FOR AGRO-CARB :

Fill the spray tank with water to about half of the total spray volume required. Start agitation and add the required amount Agro-Carb to the spray tank. Continue mixing and agitation while filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix. Do not allow water or spray mixture to back-siphon into the water source. If spraying and agitation must be stopped before the spray tank is empty, settled materials must be resuspended before spraying is resumed. A back flow sparger agitator at the bottom of the tank is particularly useful for this purpose. Do not mix with other soluble pesticides or fertilizers not compatible with mild alkaline solutions. The addition of surfactant or wetting agent to spray is not required. The product is pre-formulated with these products for best results. Do not adjust spray solution pH after mixing of product. Acidification of solution will cause reduced product performance.

APPLICATION

Proper application techniques help ensure thorough spray coverage and the correct dosage necessary to obtain optimum results. The following recommendations are provided for effective application of Agro-Carb. To ensure adequate spray coverage, attention should be given to ground speed and calibration, wind speed, and foliar canopy.

Application for row crops:

Use conventional ground spray equipment calibrated to provide thorough coverage of the target crop. Align the boom and nozzles to obtain uniform coverage of the target crop. Under certain conditions, nozzles on drop arms may be required to obtain uniform crop coverage. Use hollow cone nozzles suitable for insecticide spraying. Follow manufacturer's recommendations for ideal nozzle spacing, pressure, and boom height.

Tree Row Volume (TRV):

High volume: the water volume to be applied per hectare should be calculated according to the Tree Row Volume (TRV) formula:

$$L/ha = \frac{\text{Tree height} \times \text{Tree diameter} \times 937}{\text{Row width}}$$

TRV is the water volume required when the trees are in full leaf. Use this water volume required per hectare to calculate the amount of Agro-Carb SP required per hectare at various growth stages of a tree during the season.

The following water requirements per hectare are recommended according to the different growth stages of a tree:

Growth Stage	% High volume water requirement/ha
From green tip to ± 30% blossom	60%
From ± full blossom to ± middle November	80%
From green tip to ± 30% blossom	100%

When Agro-Carb is applied as a low volume spray ensure the correct amount of product as calculated for high volume is applied per hectare.

Crop	Dosage / 100 L Water	Remarks
Apple and Pear	300-500 g	Apply as a full cover spray or alternatively according to TRV (see COMMENTS above). Commence application at green tip and apply in a programme at 7 day intervals up to the end of blossoming. Apply at 14 day intervals during the post-blossom stages. Use 300 g/100 L of water in a maintenance program. Use 500 g/100 L of water in a remedial program.
Beetroot	500-1000 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250-500 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 500 L/ha as plant size increases.
Berries: Strawberry, Blackberry, Boysenberry, Cranberry, Raspberry, Blueberry, Currants and Gooseberry	300-500 g (2.5 - 5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 500-1000 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage in seedling stage or 2 week post-transplant. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 500 L spray mixture/ha on young plants and increase volume up to 1000 L/ha as plant size increases.
Carrot	500-1000 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250-500 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 500 L/ha as plant size increases.
Citrus	100-200 g	Start applications before spring. Apply 3 or more high volume sprays at 30 day intervals during the rainy periods. During a high rainfall season a 4th application may be necessary.
Cucurbit	500 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 500-1000 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 500 L spray mixture/ha on young plants and increase volume up to 1000 L/ha as plant size increases.
Cruciferae	500-1000 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250-500 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 500 L/ha as plant size increases.
Lettuce	500-1000 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250-500 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 500 L/ha as plant size increases.
Onion	500-1000 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250-500 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage of 4-6 leaf stage. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 500 L/ha as plant size increases.

Crop	Dosage / 100 L Water	Remarks
Pecan	300-500 g (3.0-5.0 kg/ha)	Start applications before mid-spring. Apply 3 or more high volume sprays at 30 day intervals during the rainy periods. During a high rainfall season a 4th application may be necessary.
Potato	500-1000 g (2.5-5.0 kg/ha)	Apply in a maintenance spray programme schedule as a full cover spray. Start application at 90% emergence. Repeat at 7 day intervals as required. The volume of the spray mixture to be applied per hectare depends on the plant size and density. Start with a minimum of 250 L spray mixture per hectare on young plants and increase volume up to 500 L/ha as the plant size increases.
Rose	300-500 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 250- 1000 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage in seedling stage or two weeks after transplant. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 250 L spray mixture/ha on young plants and increase volume up to 1000 L/ha as plant size increases.
Soybean	500-1000 g (2.0-5.0 kg/ha)	Apply in a spray programme schedule as a full cover spray. Apply at first signs of at flowering, repeat 7-21 days later. If weather conditions favour plant development (temperatures of 15-28 °C and high humidity) use the shorter interval.
Stone Fruit	300-1000 g	Apply as a full cover spray or alternatively according to TRV (see COMMENTS above). Begin application at petal fall and continue at 7-14 day intervals for 3 applications at weekly intervals. Use 300 g/100 L of water in a maintenance program. Use 500 g/100 L of water remedial program.
Table Grape and Vine	300-500 g (2.5-5.0 kg/ha)	Apply in a maintenance spray programme schedule in a sufficient water volume to achieve thorough coverage of all foliage and fruit. The volume of water required to achieve this will depend on the stage of vine vigour and growth. Adjust spray nozzles to direct spray droplets to the canopy present. Apply the higher rate of application where the following applies: • In humid conditions. • At the start of the season. Commence spraying when the first shoots are 50-100 mm long and repeat every 7 days or as often as required. Use the lower rate for maintenance and the higher rate for remedial reaction.
Tomato and Pepper	300-500 g (2.5-5.0 kg/ha)	Apply as a portion of a spray programme as a full cover spray at a minimum of 500-1000 L/ha spray mixture. Can be applied every 7 days. Apply a minimum of two consecutive Agro-Carb sprays to ensure effective results. Start application from an early stage in seedling stage or two weeks after transplant. The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 500 L spray mixture/ha on young plants and increase volume up to 1000 L/ha as plant size increases.