

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Adama

Captan 800 WG

Fungicide

ACTIVE CONSTITUENT: **800 g/kg CAPTAN**

GROUP M4 FUNGICIDE

For the control of certain diseases in a range of fruit crops, almonds, pistachios, turf and ornamentals as shown under Directions for Use



ADAMA

Formulation type
Water Dispersible
Granule

WG

 **CENTAUR**
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CONTENTS: 5 kg, 10 kg, 10 kg (2 x 5 kg)

WHICH IT IS ILLEGAL
TO SELL SEPARATELY

DIRECTIONS FOR USE TREE AND VINE CROPS

RESTRAINT: DO NOT apply this product by aircraft.

RATE In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					WHP	CRITICAL COMMENTS For all uses in this table apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. DO NOT use at concentrate rates greater than 250 g/100 L water.
CROP	DISEASE	STATE	RATE/100 L			
Apples	Black Spot (<i>Venturia inaequalis</i>)	All States	Dilute spraying 125 g/100 L Concentrate spraying Refer to the Mixing/Application section	7 days	Apply from pink stage onwards following a copper spray at green tip, then at 7 day intervals until petal fall. After petal fall apply as a cover spray at 10-14 day intervals. The risk of russet may be increased in some varieties. Where this is of concern use alternative materials between full bloom and second cover. Apply to point of run-off. Apply no more than five applications per season.	
Almonds and Pistachios	Anthrachnose (<i>Colletotrichum</i> spp.)		Dilute spraying 200 g/100 L Concentrate spraying Refer to the Mixing/Application section	28 days	For almonds, apply at either pink bud, full bloom, petal fall or at 2-3 and 4-6 weeks post petal fall using the shorter intervals under heavy pressure. For pistachios, apply from bud swell through to full bloom stage in orchards with a history of disease pressure. As part of an overall spray program, further applications may be applied during spring and summer where favourable disease conditions exist. Apply when climatic conditions favour disease development. Apply in a protective program alone or with other fungicides approved for the specified diseases. Apply no more than five applications per season.	

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TREE AND VINE CROPS – continued

CROP	DISEASE	STATE	RATE/100 L	WHP	CRITICAL COMMENTS
Pears	Black Spot (<i>Venturia pirina</i>)	All States	Dilute spraying 125 g/100 L Concentrate spraying Refer to the Mixing/ Application section	7 days	Apply from pink stage onwards following a copper spray at green tip, then at 7 day intervals until petal fall. After petal fall apply as a cover spray at 10-14 day intervals. The risk of russet may be increased in some varieties. Where this is of concern use alternative materials between full bloom and second cover. Apply to point of run-off. Apply no more than five applications per season.
Grapes	Black Spot (<i>Elsinoe ampelina</i>)	All States	Dilute spraying 125 g/100 L Concentrate spraying Refer to the Mixing/ Application section	7 days	Apply at 50 % bud-burst and repeat application 10-14 days later. Apply to point of run-off. Apply no more than five applications per season.
	Grey Mould (<i>Botrytis cinerea</i>)				Apply in a program of sprays applied at early flowering, 80-100 % cap fall, pre-bunch closure, veraison and pre-harvest. Apply to point of run-off. Apply no more than five applications per season.
	Downy Mildew (<i>Plasmopara viticola</i>)				Apply from flowering onwards, at intervals of 10-14 days. Apply to point of run-off. Apply no more than five applications per season.
	Phomopsis Cane and Leaf Blight (<i>Phomopsis viticola</i>)				Commence application at early budburst and repeat at 7-14 day intervals until prior to flowering to maintain a cover of new grape foliage. Apply no more than 5 applications per season. Use the shorter application interval where there is rapid shoot growth and conditions are favourable for Phomopsis infection (wet weather). Adjust spray application equipment to obtain a thorough coverage of grape buds and shoots.
Stone Fruit (except Apricots)	Blossom Blight and Brown Rot (<i>Sclerotinia laxa</i> , <i>S. fructicola</i>)	All States			Apply at any of the following times as part of a spray program to control Blossom Blight and Brown Rot – pink bud, 10% blossom, full bloom, petal fall and shuck fall and pre-harvest sprays at 6, 3 and 1 week prior to harvest. Apply to point of run-off. Apply no more than five applications per season. DO NOT apply to apricots as damage to fruit and foliage may occur.

NON TREE AND VINE CROPS

CROP	DISEASE	STATE	RATE/100 L	WHP	CRITICAL COMMENTS
Strawberries	Grey Mould (<i>Botrytis cinerea</i>), Gloeosporium Fruit Rot	All States	125 g	1 day	Apply every 10 days commencing at blossom stage. Apply to point of run-off. Apply no more than five applications per season.
	Phytophthora Fruit Rot (<i>Phytophthora nicotianae</i> <i>var parasitica</i>), Black Spot (Anthracnose) (<i>Colletotrichum acutatum</i>), Scorch (<i>Diplocarpon earlianum</i>), Leaf Blight (<i>Dendrophoma obscurans</i>)		200 g		
Turf	Brown Patch (<i>Rhizoctonia solani</i>)	All States	100-150 g in 25-50 L water/ 100 m ² turf	–	For preventative treatment from September to April, apply every 5-6 weeks. Apply no more than five applications per season.
Seedlings (Ornamentals and Tobacco)	Damping-off (<i>Pythium</i> spp.)	All States	125 g		Use 3 L of solution per m ² of seedbed. Apply every 7-14 days when weather conditions favouring the disease persists, paying particular attention to bases of seedlings. When treating tobacco seedbeds, wait until seedlings are at least 5 cm high.
Roses	Black Spot (<i>Diplocarpon rosae</i>)	All States			Apply to thoroughly wet both surfaces of foliage. Apply every 7-14 days. Use the shorter interval during showery weather. Apply no more than five applications per season.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS (WHP)
ALMONDS, PISTACHIOS:
DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.
APPLES, PEARS, GRAPES, STONE FRUIT:
DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.
STRAWBERRIES:
DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.
DO NOT USE TREATED PRODUCE (OTHER THAN ALMONDS, PISTACHIOS AND ALMOND HULLS) FOR 7 DAYS AFTER APPLICATION.
DO NOT USE TREATED PISTACHIOS, ALMOND OR ALMOND HULLS FOR STOCKFOOD WITHIN 28 DAYS OF TREATMENT.
DO NOT GRAZE ANY TREATED AREA OR CUT ANY TREATED AREA FOR STOCKFOOD.
EXPORT TRADE ADVICE

TREATED CROPS: Treated crop commodities destined for export may require extra time being allowed between application and harvest, to be accepted in some export markets. Before you use this product, you are advised to contact Adama Australia and/or your industry body about any potential trade issues and their management.

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

For fungicide resistance management Adama CAPTAN 800 WG Fungicide is a Group M4 fungicide. Some naturally occurring individual fungi resistant to CAPTAN 800 WG and other Group M4 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by CAPTAN 800 WG or other Group M4 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of CAPTAN 800 WG to control resistant fungi.

MIXING

CAPTAN 800 WG mixes readily with water and should not be pre-mixed. Slowly add the required amount of product to the water under agitation in the spray vat. Maintain agitation throughout spraying. After a stoppage, thoroughly re-mix before recommencing spraying.

COMPATIBILITY AND CROP SAFETY

Mixtures of CAPTAN 800 WG with commonly used wettable powders and suspension concentrate insecticides and fungicides should not cause any problems. Apart from the products listed below mixtures with emulsifiable concentrates are not recommended. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used.

Caution should also be exercised when spraying any mixtures on varieties of fruit trees or vines where there has been no previous experience of mixtures with CAPTAN 800 WG.

CAPTAN 800 WG is compatible with any one of the following products:

Aphidex[®], carbaryl, chlorpyrifos, dimethoate, hexaconazole, Insegar[†], Kohinor[®], maldison, Mavrik[®] Aquaflo, myclobutanil, penconazole, propargite (apples only), Pyranica[†], Sanmite[†], sulphur and triadimenol.

A mixture of CAPTAN 800 WG with more than one of these products or with any other product may be ineffective or may cause serious damage. The use of such a mixture is not recommended without prior advice, and would therefore be entirely at the user's risk. If other mixtures or 3 way mixtures of any of these products are being considered consult your Adama dealer or representative for advice. Mixtures of CAPTAN 800 WG with chlorpyrifos or Nimrod[®] may leave an oily residue on the inside of spray vats which may be difficult to remove.

CAPTAN 800 WG should not be combined with copper mixture, spray lime, lime sulphur or oils. DO NOT apply CAPTAN 800 WG in combination with or within 14 days before or after winter or summer oil sprays. Combinations of CAPTAN 800 WG and sulphur should not be used on crops sensitive to sulphur.

On pears, tank mixtures of CAPTAN 800 WG plus propargite and CAPTAN 800 WG and Gusathion[®] (without calcium nitrate) plus propargite 300WG have been found to be phytotoxic.

DO NOT tank mix these products, for use on pears.

Caution should be taken when applying chemical mixtures to all crops. Varieties within crop groups may react differently therefore a small area should be tested prior to application to crop.

APPLICATION

Ground application – these rates are for high volume spraying to point of run-off. DO NOT apply by aircraft.

Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying: Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way.

Example only

1. Dilute spray volume as determined above: For example 1000 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is :
 $2 \times$ (i.e. $1000 \text{ L} \div 500 \text{ L} = 2$)
4. If the dilute label rate is 125 g/100 L, then the concentrate rate becomes 2×125 , that is 250 g/100 L of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. DO NOT use at a concentration rate higher than that specified in the Critical Comments as crop safety has not been assessed.

For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

PRECAUTION

Re-Entry Periods: DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT apply directly to water. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto water, or to areas where surface water is present. DO NOT contaminate surface water with the concentrated product, spray mix, rinsate, drainage water from glasshouses or the used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Avoid preparation of excess spray, but if necessary, spray out excess mixed spray or dispose of in a soil pit which does not drain into waterways or ponds. Degradation of excess material may be hastened by making solutions alkaline with lime or washing soda. Shake and empty contents into spray tank. DO NOT dispose of undiluted chemicals on site. Break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will damage eyes. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. Repeated exposure may cause allergic disorders. When preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and goggles. If product on skin, immediately wash area with soap and water. If product or spray in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for CAPTAN 800 WG is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of Adama CAPTAN 800 WG Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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UN No. 3077
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
(CONTAINS CAPTAN)
MARINE POLLUTANT
HAZCHEM 2Z
PACKAGING GROUP III

