

Main label of box

# POISON

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

4Farmers Logo

## Pirimicarb 500 INSECTICIDE

ACTIVE CONSTITUENT: 500g/kg PIRIMICARB  
(an anticholinesterase compound)

GROUP	1A	INSECTICIDE
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### CLAIMS FOR USE


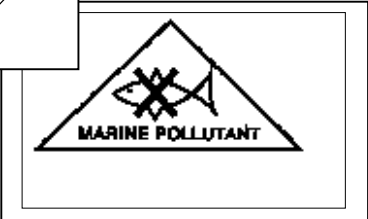
A Wettable Powder Aphicide for control of certain aphids on crops & pastures as per the directions for use.

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

NET CONTENTS: 10 kg, 20kg

Contains (10,20) measure packs which it is illegal to sell separately

### Emergency information:

 	UN NO. 2757	CARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S. (contains Pirimicarb) MARINE POLLUTANT		
	In an Emergency Dial 000 Police of Fire Brigade  Or 4Farmers (08) 9356 3445	PGIII	HAZCHEM 2<Z>	

4 FARMERS PTY. LTD.  
A.C.N 067 443 485  
643 MURRAY STREET, WEST PERTH  
WESTERN AUSTRALIA 6005  
Ph: (08) 9356 3445 fax (08) 9356 3447

Batch No.:  
Date of Manufacture:  
NRA Approval No.: 51536/0300

**GENERAL INSTRUCTIONS:**  
**Insecticide Resistance Warning:**

<b>GROUP</b>	<b>1A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management, 4Farmers Pirimicarb 500 is a group 1A insecticide.

Some naturally occurring insect biotypes resistant to 4Farmers Pirimicarb 500 and other Group 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if 4Farmers Pirimicarb 500 and other Group 1A insecticides are used repeatedly. The effectiveness of 4Farmers Pirimicarb 500 on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, 4Farmers Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers Pirimicarb 500 to control resistant insects.

Resistance is not due to a fault in the product and 4Farmers Pty Ltd cannot accept responsibility for loss or damage to crops arising from resistance. However, resistance should not be assumed without first reviewing the method of application, the coverage and the timing of application. 4Farmers Pirimicarb 500 may be subject to specific resistance strategies. For further information, contact 4Farmers Pty Ltd., local agricultural department or your local supplier.

**Mixing**

4Farmers Pirimicarb 500 is a wettable powder formulation, packed in water soluble packaging, which dissolve easily in water. DO NOT excessively handle the bags or expose them to moisture. DO NOT touch the bags with wet hands or gloves. Return unused bags to the primary pack.

For mixing, follow the following recommendations.

1. Partially fill the spray tank
2. Start the agitation system.
3. Dissolve the chemical in the granny pot or suitable container, then add it to the spray tank.
4. Add any adjuvants last, before topping up to the correct volume with water.
5. Ensure continuous agitation so the product is in suspension at all times.
6. DO NOT store the prepared solution. If this is unavoidable, ensure complete agitation before use.

**Application**

If this product is applied when the temperature is less than 15°C it is essential to have thorough spray coverage for quick and total aphid control.

**Compatibility**

4Farmers Pirimicarb 500 may be mixed in the spray vat with Non-ionic wetters. A mixture of 4Farmers Pirimicarb 500 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 and would therefore be entirely at the user's risk.

**PROTECTION OF LIVESTOCK:**

Animals and poultry should be kept away from orchards and other treated areas during the horticultural spraying season.

Keep animals and poultry away from spray and treated areas for a minimum of 3 days.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

DO NOT apply under meteorological conditions (eg. crosswinds less than 3km/hr) or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses.

**STORAGE AND DISPOSAL:**

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. DO NOT store for prolonged periods in direct sunlight and away from foodstuffs, drink containers and livestock. Shake empty container into spray tank. Do not dispose of undiluted chemicals on-site. Break, puncture or crush and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and roots. Empty containers and product should not be burnt.

Leaflet:

# **DIRECTIONS FOR USE:**

## **RESTRAINTS**

DO NOT apply from the air when the crosswind is less than 3km/hr.

DO NOT allow animals or poultry access to orchards or other treated areas during the horticultural spraying season

DO NOT allow animals or poultry access to treated areas within 3 days of application.

Crop	Pest Controlled	States	Rate		WHP (days)	Critical Comments	
			Per 100L	Per ha			
FRUIT CROPS							
Apples	Woolly aphid	Vic., Tas., SA,WA & NSW only	50 g	1.1- 1.7kg	2	Use the higher rate when less than 2200 L of spray per ha. Add 10 mL BS1000® per 100 L	
Blueberries	Aphids	Qld only		-		-	
Citrus	Citrus aphid	Vic., Tas., SA, WA & NSW only		1.1kg		Apply when aphids appear. Use at least 2200 L spray per ha.	
	Aphids	Qld only	2.5 g	-		Apply only where pest management is being implemented and only when it is apparent that parasite predators will not control the infestation within a reasonable time.	
Pepinos			50 g			-	
Stone Fruit	Green peach aphid Black peach aphid Cherry aphid	All States		1.1kg		Apply at pink bud or when aphids appear. Use at least 1100 L spray/ha.	
Strawberries	Aphids	Qld & NSW only	35 g	-		Thorough coverage is necessary. If used in conjunction with predatory mites, apply before release or only after mites have fully established within the crop.	
VEGETABLES							
Artichokes (globe)	Aphids	Qld only	50 g	-	2	-	
Asparagus				-		-	
Beetroot	Green peach aphid		-	1 kg		Use at least 500 L spray/ha. Add 10 mL BS1000®/100 L	
Beans	Cowpea aphid ( <i>Aphis craccivora</i> )	Vic. & Tas. only		500 g		Apply as beans emerge and thereafter whilst aphid attack continues. Spray thoroughly.	
Broad Beans Lima Beans	Aphids	Qld only	50 g	-			
Broccoli Brussels sprouts Cabbages Cauliflowers	Cabbage aphid	All States	100 – 200g	500g or 1 kg		Apply every 10 - 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 10 mL BS1000® per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.	
Brussels sprouts Cabbages Cauliflowers	Green peach aphid	Qld only					
Chinese cabbages	Cabbage aphid Green peach aphid						
Capsicums	Aphids	All States					Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C

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Cucurbits		Qld only				Apply every 5 - 10 days during periods of rapid plant growth to delay virus buildup. Use the higher rates if applied in conditions below 20°C.
Endive Garden Cress			50 g	-		-

Kale	Cabbage aphid Green peach aphid.	Qld only	100 - 200 g	500 g - 1kg	2	Apply every 10 - 14 days commencing 1 week after planting. Use 500 Litres spray per ha. Add 10 mL BS1000® per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Kiwano	Aphids					Apply every 5 - 10 days during period of rapid plant growth to delay virus buildup.
Leeks			50 g	-		-
Lettuce		NSW only	100 - 200 g	500 g - 1kg		Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Okra		Qld only	50 g	-		For use in IPM programmes where Helicoverpa resistance strategy is being practised.
Peas			100 - 200 g	500 g - 1 kg		-
		NSW only				Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Potatoes	Potato aphid	All States	250 - 500 g	500 g or 1 kg		Apply in 200 L spray per ha when aphids first appear. If higher spray volumes per ha are used, decrease the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Radishes	Cabbage aphid Green peach aphid	Qld only	100 - 200 g	500 g - 1 kg		Apply every 10 - 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 10 mL BS1000® per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Shallots Spinach	Aphids		50 g	-		-
Swedes Turnips	Cabbage aphid Green peach aphid		100 - 200 g	500 g - 1 kg		Apply every 10 - 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 10 mL BS1000® per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Tomatoes	Aphids	NSW only				Spray when aphids are detected and repeat it necessary. Use the higher rates if applied in conditions below 20°C.
Watercress		Qld only	50 g	-		-

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ORNAMENTALS						
Roses. Chrysanthemums	Rose aphid Chrysanthemum aphid	All States	50 g	8 g / 15 L knapsack	0	Apply when aphids appear. Spray to give complete coverage of plants.
Ornamentals	Aphids	NSW only	50 g	-	0	Apply when aphids appear. Spray to give complete coverage of plants.
		Qld only	35 g		0	If applied in conjunction with predatory mites ( <i>Phytoseiulus persimilis</i> ) apply before release or only after mites have become fully established. DO NOT apply more than two (2) sprays in quick succession where IPM is practised. Where roses are grown in dense hedges and IPM is used, spray only the upper half of the hedge where the aphids are attacking the buds. Allow the lower half of the hedge to serve as a refuge for <i>P. persimilis</i> . In such situations 4Farmers Pirimicarb 500 should NOT be mixed with a fungicide which requires very careful coverage. NOTE: Because of the wide range of crops and pests encompassed under Ornamentals, the phytotoxicity and efficacy of this compound cannot be guaranteed under all uses. Test the chemical for phytotoxicity on a small area of crop before widespread usage
BROADACRE CROPS						
Canola	Cabbage aphid ( <i>Brevicoryne brassicae</i> ) Green peach aphid ( <i>Myzus persicae</i> )	All States	-	500 g or 1 kg	14 (H/G)	Apply when aphids first appear using 30 - 100 L water/ha (ground rig) or 20 - 25 L/ha (aerial). Use higher rate if temperature falls below 20°C. Add 10 mL BS1000® per 100 L spray.
Cotton	Cotton aphid ( <i>Aphis gossypii</i> ) Green peach aphid ( <i>Myzus persicae</i> )	NSW, Qld & WA only	-	500 g or 1 kg  Spray volume of 30 - 50 L/ha <u>Ground Application</u> Spray volume of 100L/ha minimum	21 (H/G)	Thorough spray coverage is essential to produce best results. Stage I - apply when aphids exceed 90% plants infested. Stage II - apply when aphids exceed 95% plants infested. Stage III - apply when aphids exceed 50% plants infested, or if 1% bolls are open and honeydew is present apply when aphids exceed 10% of plants infested. If a spray is required for another pest. The aphid threshold for each stage should be reduced by half to determine the need to spray for aphids; eg. 50% becomes 25% plants infested. Use 4Farmers Pirimicarb 500 no more than twice per season. Adhere to the resistance management strategy and rotate chemistry. Do not use 4Farmers Pirimicarb 500 as consecutive sprays.
Duboisia	Aphids	Qld only	50 g	1.1 kg	-	Apply when populations warrant.

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Lucerne Medic pastures	Spotted alfalfa aphid Blue green aphid	All States	-	100 - 150 g in 200 - 300 L water	3 (G)	<p>Application: High rate to be used when there is a high aphid population density or with dense crop growth. Complete coverage and penetration of the crop is essential.</p> <p>Timing:</p> <p>Queensland only - On seedling Lucerne, treatment is necessary when one or two aphids are present per plant. Established Lucerne and medic (spring and summer) - spray when there are 20 - 40 aphids per stem.</p> <p>Spotted alfalfa aphid (SA, NSW, WA and Tas. only): Apply when aphids begin to build up on stems and repeat as necessary.</p> <p>Spotted alfalfa aphid and pea aphid (Vic only): Seedling Lucerne and medic - treat when 1 - 2 aphids per plant are present. Established Lucerne and medic (spring and summer) - spray when there are 20 - 40 aphids per stem.</p> <p>Tasmania only:</p> <p>A cold weather adapted species, which may be found at most times of the year. Spraying should be carried out when aphids begin to increase and be repeated as necessary. For the control of both the above Lucerne and medic pasture pests 4Farmers Pirimicarb 500 at the recommended rate should be applied in 200 - 300 L of water per ha. Complete coverage and penetration of the crop is essential.</p> <p>Blue green aphid: This aphid is cooler weather tolerant and will be found at all times of the year. Spraying should be carried out as aphids are observed. In some areas Spotted Alfalfa Aphid has developed tolerance to Pirimicarb and in those areas Pirimicarb will not give satisfactory control. However, apparent tolerance should not be confused with poor application. Consult your local 4Farmers Pty Ltd or Department of Agriculture representative for local information.</p>
Lucerne	Pea aphid	Vic. only	-	100 - 150 g	3 (G)	<p>Apply when aphids begin to build up on stems. Repeat as necessary. Use 200 - 300 L per ha. Use the higher rate when there is a high aphid population density or dense crop or when temperature falls below 20°C.</p>

Lupins	Green peach aphid	NSW & Vic. only	-	250 g	42 (H/G)	Apply when aphids first appear using 20 - 100 L/ha (ground rig) or 4 - 15 L/ha (aerial). Repeat as necessary. If low relative humidity conditions prevail add 1% or 10% Summer Spray Oil (DC-Tron or Caltex) to spray solution for ground and aerial application respectively. Note: For best coverage and hence best results with aerial application, apply when a slight crosswind with a minimum speed of 3 km/hr is present.
	Cowpea aphid	NSW, WA & Vic. only	-			
	Green peach aphid	WA only		300 g		Apply when aphids first appear. Good coverage of the infested area is essential. Apply in 30 - 100 L/ha for aerial application. Repeat as necessary, if low relative humidity conditions prevail add Summer Spray Oil to the mix.
Winter cereals	Aphids ( <i>Rhopalosiphum maidis</i> )	All States		150 g		Apply when 20 or more aphids are present per tiller and when the crop is between emergence of last leaf and flowering stages. Use 20 - 100 L/ha (ground rig) or 4 - 15 L/ha (aerial). If low relative humidity conditions prevail add Summer Spray Oil as for lupins. Where there is concern for infection by barley-yellow dwarf virus, spraying should be carried out as soon as aphids are located in the crop.
	Aphids ( <i>R. maidis</i> , <i>R. padi</i> )	WA only		250 - 300 g		

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

#### **WITHHOLDING PERIOD**

H=Harvest

G=Grazing

**FRUIT AND VEGETABLES - DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION**

**CANOLA - DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION**

**COTTON - DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION**

**LUCERNE AND MEDIC PASTURES - DO NOT GRAZE, CUT FOR STOCK FOOD OR FEED TO POULTRY FOR 3 DAYS AFTER APPLICATION.**

**LUPINS AND WINTER CEREALS - DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 42 DAYS AFTER APPLICATION.**

#### **GENERAL INSTRUCTIONS:**

##### **Insecticide Resistance Warning:**

GROUP	<b>1A</b>	INSECTICIDE
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For insecticide resistance management, 4Farmers Pirimicarb 500 is a group 1A insecticide. Some naturally occurring insect biotypes resistant to 4Farmers Pirimicarb 500 and other Group 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if 4Farmers Pirimicarb 500 and other Group 1A insecticides are used repeatedly. The effectiveness of 4Farmers Pirimicarb 500 on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, 4Farmers Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers Pirimicarb 500 to control resistant insects.

Resistance is not due to a fault in the product and 4Farmers Pty Ltd cannot accept responsibility for loss or damage to crops arising from resistance. However, resistance should not be assumed without first reviewing the method of application, the coverage and the timing of application.

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4Farmers Pirimicarb 500 may be subject to specific resistance strategies. For further information, contact 4Farmers Pty Ltd., local agricultural department or your local supplier.

#### **Resistance Management for Green Peach Aphid control:**

Some Green Peach Aphids are resistant to all commonly used insecticides including 4Farmers Pirimicarb 500. If resistance is known or suspected, do not use 4Farmers Pirimicarb 500 and seek advice on resistance management. If there is no 4Farmers Pirimicarb 500 resistance, use a maximum of 2 non-consecutive aphid sprays per season. If 4Farmers Pirimicarb 500 was used as the last aphid spray for the season, do not use it as the first aphid spray-next season.

#### **MIXING**

4Farmers Pirimicarb 500 is a wettable powder formulation, packed in water soluble packaging, which dissolve easily in water. DO NOT excessively handle the bags or expose them to moisture. DO NOT touch the bags with wet hands or gloves. Return unused bags to the primary pack.

For mixing, follow the following recommendations.

1. Partially fill the spray tank
2. Start the agitation system.
3. Dissolve the chemical in the granny pot or suitable container, then add it to the spray tank.
4. Add any adjuvants last, before topping up to the correct volume with water.
5. Ensure continuous agitation so the product is in suspension at all times.
6. DO NOT store the prepared solution. If this is unavoidable, ensure complete agitation before use.

#### **APPLICATION**

If this product is applied when the temperature is less than 15 °C it is essential to have thorough spray coverage for quick and total aphid control.

#### **COMPATIBILITY**

4Farmers Pirimicarb 500 may be mixed in the spray vat with Non ionic wetters. A mixture of 4Farmers Pirimicarb 500 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 and would therefore be entirely at the user's risk.

#### **PROTECTION OF LIVESTOCK:**

Animals and poultry should be kept away from orchards and other treated areas during the horticultural spraying season.

Keep animals and poultry away from spray and treated areas for a minimum of 3 days.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

DO NOT apply under meteorological conditions (eg. crosswinds less than 3km/hr) or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses.

#### **STORAGE AND DISPOSAL:**

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. DO NOT store for prolonged periods in direct sunlight and away from foodstuffs, drink containers and livestock. Shake empty container into spray tank. Do not dispose of undiluted chemicals on-site. Break, puncture or crush and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and roots. Empty containers and product should not be burnt.

#### **SAFETY DIRECTIONS:**

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect.

#### **WHEN MIXING AND USING**

Avoid contact with eyes and skin. Do not inhale dust or spray mist. Obtain an emergency supply of atropine tablets 0.6mg. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist or equivalent clothing, elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water.



**AFTER USE**

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, face shield or goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs - if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

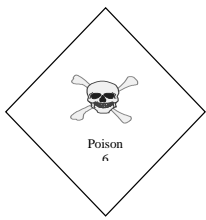

MSDS: Additional Information is listed in the Material Safety Data Sheet

Note; A varying degree of consolidation of the contents of this container may occur during transit but the net weight of the contents is not changed and is as stated on the label.

**Conditions of sale**

4Farmers Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatory imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of 4Farmers Pty Ltd is limited to the replacement of the goods or (at the option of 4Farmers Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to 4Farmers Pty Ltd within thirty days of delivery.

**Emergency information:**

		UN NO. 2757	CARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S. (contains Pirimicarb) MARINE POLLUTANT		
		In an Emergency Dial 000 Police of Fire Brigade  Or 4Farmers (08) 9356 3445		PGIII	HAZCHEM 2<Z>

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

Measure pack label

**POISON**

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

4Farmers Logo

**Pirimicarb 500**

**ACTIVE CONSTITUENT: 500g/kg PIRIMICARB**  
(an anticholinesterase compound)

**NOT TO BE SOLD SEPARATELY**

**BEFORE USE, READ ALL DIRECTIONS ON THE LABEL ON THE OUTER PACK**

**NET CONTENTS: 1 kg**  
**WATER SOLUBLE PACKAGING - KEEP DRY**

**4FARMERS PTY LTD**  
**A.C.N. 067 443 485**

**643 MURRAY STREET, WEST PERTH**  
**WESTERN AUSTRALIA 6005**

NRA Approval No.: 51536/

Dear Graeme,

Many thanks for all your help. Please find encl. the following

1. Revised page 2 application for Pirimicarb 51536/15616
2. 2 copies of the amended label

Best regards,

John Firth