

For improvement of fruit shape/  
typiness in Braeburn, Gala, Pink  
Lady and Red Delicious apples.  
For reduction of russet in Golden  
Delicious.

For thinning of Red Delicious and  
Gala apples in combination with  
NAA. Also for promotion of lateral  
growth in Red Delicious apples and  
cherries, as per the DIRECTIONS  
FOR USE table.

For fruit set improvement  
in Corella pears and other  
varieties which may set  
parthenocarpically.

PERLAN® is a registered trademark of  
FINE AGROCHEMICALS LIMITED.

Manufactured by :

**fine**

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**READ SAFETY INSTRUCTIONS  
BEFORE OPENING OR USING**

 **perlan**®

**Plant Growth Regulator**

**Active Constituents:**

**19g/L GIBBERELLINS A4 and A7  
19g/L 6-BENZYLADENINE**



**Contents : 500mL**

APVMA Approval No.: 53540/62129

Distributed by :



Elders Rural Services Australia Ltd.  
ABN 72 004 045 121  
80 Grenfell Street, Adelaide, SA 5000  
Phone: (08) 8425 4863  
[www.elders.com.au](http://www.elders.com.au)

**PER/AU/500/16**

**DIRECTIONS FOR USE****RESTRAINTS**

**DO NOT apply if rain is likely within 6 hours**

**DO NOT apply after rain until flower parts are free of droplets.**

**DO NOT apply when air temperature is less than 7°C or greater than 32°C.**

**DO NOT apply in combination with other growth regulators or pesticides.**

Crop	Function	Rate of application	Critical comments
Braeburn, Gala, Pink Lady and Red Delicious Apples	Improvement of fruit shape	125 mL/100 L water (1-2 L/ha)	Single application only. Apply at 90% king bloom. In regions or seasons where the bloom period may be extended a split application is recommended
		65 mL/100 L water (0.5 - 1 L/ha)	Split application only. In regions or seasons where the bloom period may be extended: apply first 50% king bloom and second at 90% king bloom
Red Delicious and Gala Apples	Thinning in combination with NAA (3 mg/L)	65 mL/100 L water (0.5 - 1 L/ha)	Split application only. Apply first at 50% king bloom and second at 90% king bloom. At full bloom apply NAA
Golden Delicious	Reducing weather induced russet of individual fruit	20-40 mL/100 L water	Apply four to five sequential applications of perlan®. Apply the first application at full bloom, a second application at petal fall and follow up with two to three additional sprays at a 5 to 7 day interval. Use the higher application rate for russet sensitive Golden Delicious clones and/or russet conducive conditions.
Red Delicious Apples	Stimulation of lateral growth	150 mL/10 L water	Apply to Red Delicious apple trees, using a knapsack sprayer. Add 12 ml of TOPWET per 100 L water. Apply late October to early November. Thoroughly wet foliage on one year old wood in region of tree where laterals are required. NB: Most suitable for 2-3 year old trees
Cherries	Stimulation of lateral growth	25 mL + 75 mL acrylic or latex paint	Apply by brush to buds and bark of one year old wood on vigorous trees between budswell and budburst.
Pears	For fruit set improvement in Corella pears and other varieties which may set parthenocarpically.	30 mL + 125 mL adjuvant / 100 L water  Or 60 mL / 100 L water	Apply to pear trees at full bloom to early petal fall stage. Single application. Add a non-ionic wetting agent at recommended rate when spraying with 30 mL/ 100 L of PERLAN.

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

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.**

**GENERAL INSTRUCTIONS**

DO NOT apply more than 1.5L/ha of product when thinning Red Delicious apples.

**MIXING AND APPLICATION**

The liquid mixes easily with water. For improvement of typiness and shape, for russet control, and for thinning applications in apple, best results are achieved using 900 - 1200 L/ha water (depending on tree size), together with a non-ionic wetter at the recommended rates.

For fruit set improvement in pear, it is recommended to use 1000-1200 L/ha water (depending on tree size) to achieve a good spray repartition. Best results are obtained using 60 mL/100 L of Perlan, or using 30 mL/100 L of Perlan together with a non-ionic wetter at the recommended rate.

It is recommended to check the pH of the spray solution. Best results are obtained when the pH of the spray solution is in the range of 4.5 to 6. Use a non-ionic wetting agent and/or buffer such as LI-700® at recommended rates to correct the pH when necessary. Add the required amount to clean spray tank about half filled with water. Agitate while bringing the total volume of the water to the required level. Use spray solution within 24 hours after mixing.

LI-700® is a registered trademark of NUFARM AUSTRALIA LIMITED

**COMPATIBILITY**

The addition of a non-ionic wetting agent and/or buffer at recommended rates will enhance results. DO NOT use other pesticides until spray deposits are dry. DO NOT use another thinner unless recommended.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray drift onto nearby susceptible plants/crops or pastures. DO NOT apply more than 1,800L of spray solution per ha. DO NOT apply NAA after application of this product except as specifically directed. This product can act as a thinner. DO NOT apply a specific thinner until sure of fruit set following application of this product. If sprayed to run-off, fruit shape distortion, foliage damage and overthinning may result.

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

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

**STORAGE AND DISPOSAL**

Keep out of the reach of children. Store in the closed, original container in a dry cool, well-ventilated area out of direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, 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 swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing product for use, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist, and washable hat and elbow-length PVC gloves. If product 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, face shield or goggles and contaminated clothing.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (phone 13 11 26).

## **MATERIAL SAFETY DATA SHEET**

Additional Information is listed in Material Safety Data Sheet, which can be obtained from the supplier.

## **PRODUCT WARRANTY CONDITIONS AND LIMITATION OF LIABILITY**

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications indicated on this label. FINE disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, presence of other materials, the manner of application, use of the Product other than in strict accordance with this label's instructions or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product. FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product. © Fine Agrochemicals Limited, Hill End House, Whittington, Worcester, WR5 2RQ, United Kingdom.

If these conditions are unacceptable to the buyer, the goods should be returned to the seller unopened within a period of seven days.

BATCH:    DATE OF MANUFACTURE: AS MARKED