

# Getting the Best from your Orchard

Jake Butler

Swan Hill Chemicals



# About me

- 7 years experience with Swan Hill Chemicals
- Studying a Diploma of Horticulture
- Multiple roles with SHC include – Sales Agronomy & Tech Services (e.g. in field crop scouting)
- Mainly focus on Almond crops
- More recently getting involved with Pistachios & Walnut crops

# SHC Pistachio Program

- Developed with input from Gary Jeans, Brian Cumming, Mat Earle & myself.
- Focuses on a combination of fertiliser applications through the ground via irrigation as well as foliar applied.
- Product selection based off a similar Almond fertiliser program which have seen above average yields in the Sunraysia/Mallee region.
- Focusing mainly on liquid products when possible, for ease of mixing and OH & S reasons.

# SHC Pistachio Program

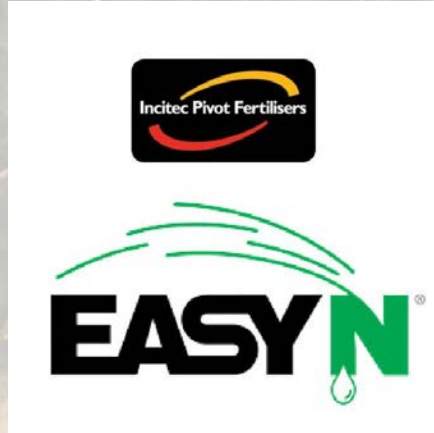
- Targeting seasonal Pistachio NPK requirements from Californian Pistachio data, with 90% in the growing season & 10% post harvest.
- Soil microbial and root stimulant products to promote root health, soil health and microbial activity.
- Adjusting to half rates for unestablished or non-bearing trees.

# SHC Pistachio Program

- Encouraging regular sap & leaf nutrient analysis throughout the season to allow for timely adjustments.
- Annual or Bi-Annual soil testing to monitor nutrient levels and pH trends.



# Key Products



# UAN

- Typical analysis – Nitrogen 42.5%
- Main source of Nitrogen
- Applied via irrigation weekly during the growing season from late October through till late February.



# Aurora Cal Mag B

- Typical analysis - 12.5% Nitrogen, 12.5% Calcium, 3.4% Magnesium & 0.2% Boron
- Main source of Calcium, Magnesium & Boron
- Applied via irrigation fortnightly from late October through till late December.

**CAL MAG B**

**aurora**  
QUALITY ENHANCED NUTRIENTS

Calcium, Magnesium & Boron solution

**Typical Application Rates**  
For fertigation use 10 to 100lt/ha. For planting use 50 to 110lt/ha applied to the Soil at a dilution rate of water of 50 to 100lt/ha. For foliar applications apply 5 to 10lt/ha using dilution rates in water of 200 to 2000lt/ha on horticulture crops and 100lt/ha over broadacre crops. Due to climatic and crop variances always seek agronomic advice prior to application.

**Typical Analysis**

Nitrogen (N)	12.5% w/v
Calcium (Ca)	12.5% w/v
Magnesium (Mg)	3.4% w/v
Boron (B)	0.2% w/v

Specific Gravity 1.48

BATCH # \_\_\_\_\_  
DOM / /

**Directions for use**  
1) For uniform coverage always dilute with water.  
2) Shake or agitate well before use.  
3) Prior to mixing with other products always complete a jar test.

**Storage and handling**  
Store in a cool dark place. Always use safe work practices

**Safety directions**  
Keep out of reach of children. DO NOT swallow. May cause irritation to the eyes and skin. Wash with copious amounts of water if splashed and seek immediate medical advice if symptoms persist.

**Conditions of sale**  
This product must be used strictly in accordance with directions. The efficacy of this product may be influenced by environmental conditions and application procedures and no warranty, express or implied is offered.

**AURORA DISTRIBUTORS**  
2132 FIFTEENTH ST, RYMPLE, VIC 3498 P: (03) 5032 9255



# Aurora Serious PK 0-7-36

- Typical analysis – Phosphorus 7%, Potassium 36%
- Main source of Phosphorus & Potassium.
- Applied via irrigation fortnightly from early November through till late February.
- High pH product helps lower soil acidity.



# Aurora Carbon 26

- Typical analysis – Humate 26%, Potassium 5%, Organic Carbon 20%, Organic Matter 20%
- Humic Acid helps to improve soil health and promote some level of microbial activity & root stimulation.
- Applied via irrigation early October prior to commencing fertiliser applications. Also applied again in early February (pre-harvest) and early April (post-harvest).



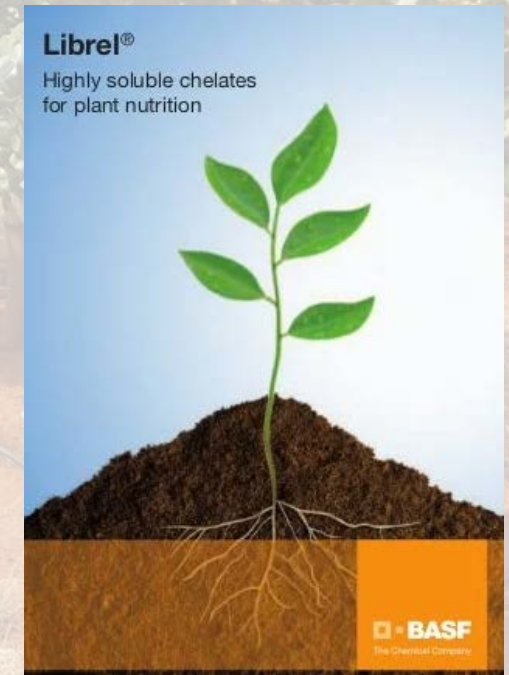
# Aurora Active

- Aurora Active contains Fish Emulsion 8%, Humic Acid 6.6%, Molasses 8% & Kelp 8%.
- This product can be used in rotation with Humic Acid or as a straight substitute.
- Similar to Carbon 26, it is used to improve soil health and promote some level of microbial activity & root stimulation.



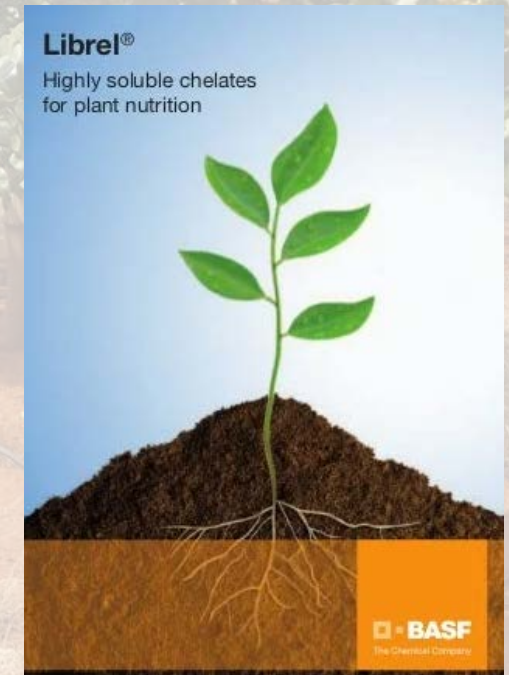
# Librel Zinc EDTA Chelate

- Typical analysis - Zinc 14%
- Applied via irrigation monthly from early October through till early January.
- Mix into solution first before putting through fertigation.



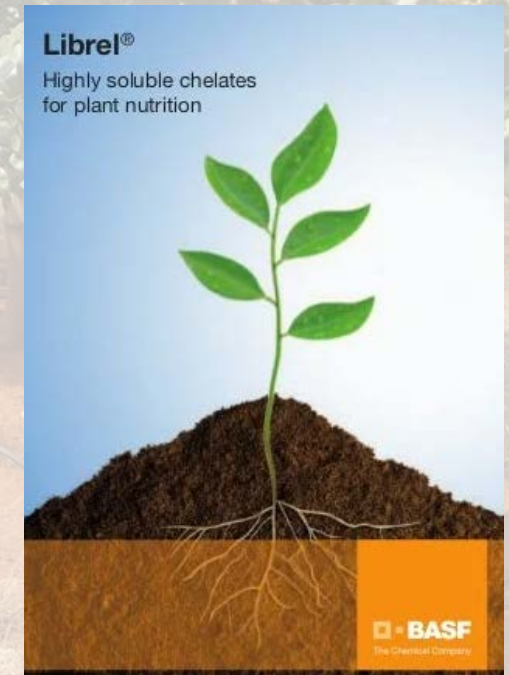
# Libfer SP EDDHA Iron Chelate

- Typical analysis – Iron 6%
- Applied via irrigation monthly from mid October through till mid January.
- Mix into solution first before putting through fertigation.



# Librel Copper EDTA Chelate

- Typical analysis – Copper 14%
- Applied via irrigation monthly from late October through till late January.
- Mix into solution first before putting through fertigation.



# Albion Metalosate Foliar Program

- The Metalosate foliar program includes Boron, Zinc, Manganese, Iron & Potassium.
- Amino Acid Chelate allows the product to have better uptake into the plant.
- Applied with fungicides from early bloom in late September through till late November.
- Very safe compatibility with most crop protection products, excluding Copper fungicides.



A photograph of a long, straight row of young trees in a field, with the word "Thankyou" overlaid in the center. The trees are planted in neat rows, and the ground is a mix of dirt and sparse grass. The sky is overcast.

Thankyou