

TigerClaw Dextro-Lac Foliars

Agro-K's widely used and trusted Dextro-Lac (DL) products have earned their reputation for over 20 years as the grower standard when plant safety and performance are top priorities.

Dextro-Lac products are made using a proprietary encapsulation method developed by Agro-K scientists that utilizes two biologically important carbohydrate molecules – dextrose and lactose – as a complexing agent to form a protective shield around nutrients to keep them in a readily available and plant friendly form. Both dextrose and lactose are easily transported across cell membranes, making them ideal carriers for the encased plant nutrients with a zero risk of phytotoxicity to tender fruit and foliage.

TigerClaw Products available from	
Calcium 5% DL	Power Cal 4%
Cal-Bor-Moly DL	Power K 20%
Copper 5% DL	Power Mg 5%
KDL 0-0-24	Power SeaCal
Iron 5% DL	Symbex
Magnesium 3% DL	Symspray
Manganese 5.5% DL	Zinc 10% DL

Tiger Claw products listed above as "DL" are Dextro-Lac based products.

TerraLink

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*Science-
Driven
NutritionSM*

Stone Fruit
Nutritional Program





Stone Fruit Nutritional Program

Stone fruit trees tell us a lot about nutrient requirements and peak nutrient demands. When we understand the roles of the various nutrients and how they interact with each other we are better able to support plant growth and fruit development. The right nutrients, in the right forms, at the right times will enhance production.

Stone fruits are evaluated by size, firmness, brix content, shelf life and color. For the grower to get the best price and returns on investment all these characteristics have to be maximized. Stone fruits are short season tree fruit crops which means that peak nutrient demands for elements such as zinc, magnesium, phosphorus and boron are compressed into smaller time periods than other crops. However, by meeting these peak nutrient demands at specific times during plant and fruit development optimum yield, fruit firmness, fruit size, fruit colour and fruit brix content can be achieved.

As stone fruit trees move through the different stages of growth targeted foliar nutrient applications will enhance fruit set and quality. From bloom through shuck fall boron and molybdenum influence pollination and fruit set. Calcium plays a direct role in cell wall density and thickness, which translates in to fruit firmness. However, calcium is not very mobile in the tree and can only be absorbed in to the fruit's

cell walls during cell division which happens at fruit set and early fruit development. During this time of rapid cell division foliar applications of potassium should be limited as they can antagonise the tree's ability to move calcium in to the cell walls of the fruit. Foliar potassium should be applied later in the season, as the fruit begins to colour, in support of fruit bulking and fruit colour.

Post fruit set calcium applications are needed to support the tree's ongoing calcium needs so that it is not pulled out of the fruit later in the season. Zinc and magnesium applications during this period of significant leaf and shoot growth that follows shuck fall supports larger leaves, chlorophyll production and the tree's manufacturing of sugars associated with photosynthesis.

Colour break marks the beginning of the fruit's physiological maturation process. Demand for potassium increases dramatically from this point through to harvest as the fruit gains in bulk and changes colour. Foliar applications of KDL (0-0-24) during the ripening process sets the stage for larger, more colourful fruit with a higher brix content.

Post harvest foliar nutrient applications, while the leaves are still in good condition, will help reduce winter stresses and support early development in the spring. After harvest the tree is receptive to taking in and storing nutrients to replace what was removed at harvest and to support nutrient needs as the tree resumes growth the following spring. The first foliar nutrient application of next year really is this year's post harvest spray.



Agro-K Foliar Nutrient Management Program for Stone Fruit	
1st bloom	
TigerClaw Cal-Bor-Moly DL	1.5L/acre
TigerClaw Calcium 5% DL	1.5L/acre
Full bloom	
TigerClaw Cal-Bor-Moly DL	1.5L/acre
TigerClaw Calcium 5% DL	1.5L/acre
Petal fall	
9-24-3 or equivalent	4L/acre
TigerClaw Calcium 5% DL	1.5L/acre
Shuck fall/jacket split	
urea (low biuret)	7-8 lbs/acre
TigerClaw Calcium 5% DL	1.5L/acre
TigerClaw Zinc 10% DL	1-2L/acre
TigerClaw Magnesium 3% DL	2L/acre
with fungicides & insecticides in season	
TigerClaw Calcium 5% DL	1.5L/acre
14 days post fruit colour break	
TigerClaw KDL	3L/acre
TigerClaw Calcium 5% DL	1.5L/acre
7-10 days Pre-harvest	
TigerClaw KDL	3L/acre
Post harvest (while leaves are still functional)	
Boron 10% or similar	0.8L/acre
3-18-18 or similar	2-4L/acre
TigerClaw Zinc 10% DL	1-2L/acre
TigerClaw Magnesium 3% DL	2L/acre