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

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

TerraLink

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Cranberry Nutrition Program

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Cranberry Nutrition Program

Cranberry vines 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.

Foliar fertilization allows for directed applications of specific nutrients just before and at peak nutrient demand periods. Individual elements such as zinc, boron, magnesium, calcium and potassium all support the plant in different ways. By meeting key nutrient demands at specific times during plant and fruit development optimum yield, fruit firmness, fruit size and fruit colour can be achieved.

As the cranberry vines move through the different stages of growth targeted foliar nutrient applications will enhance fruit set and quality. During hook stage, bloom through fruit set 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 one of the least mobile nutrients in the plant 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 applications of potassium should be limited as they can antagonise the plants 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 important for cell division associated with the flush of new leaf growth and the production of next year's flower bud. Zinc and magnesium applications during this period of significant leaf growth support larger leaves, chlorophyll production and the plant'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) at the start of the ripening process will set the stage for larger, more colourful fruit.

Post harvest foliar nutrient applications, while leaves are still functional, will help reduce winter stresses and support early plant development in the spring. After harvest the plant is receptive to taking in and storing nutrients that will be used to replace what was removed at harvest and will be needed as soon as the plant 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 Cranberries	
Early bloom	
TigerClaw Cal-Bor-Moly DL	1L/acre
TigerClaw Power SeaCal	2L/acre
Full bloom	
TigerClaw Cal-Bor-Moly DL	1L/acre
TigerClaw Power SeaCal	2L/acre
Fast leaf growth	
TigerClaw Power Calcium	2L/acre
TigerClaw Magnesium 3% DL	1L/acre
TigerClaw Zinc 10% DL	1.5-2L/acre
Peak leaf growth	
TigerClaw Power Calcium	2L/acre
TigerClaw Magnesium 3% DL	1L/acre
TigerClaw Zinc 10% DL	1.5-2L/acre
Colour break	
TigerClaw KDL	3-4L/acre
14 days post colour break	
TigerClaw KDL	3-4L/acre
Post harvest	
Boron 10% or similar	0.4L/acre
3-18-18 or similar	2L/acre
TigerClaw Zinc 10% DL	1.5-2L/acre
TigerClaw Magnesium 3% DL	1L/acre