

TREE CROPS



Recommendation for use of TwinN on fruit tree crops.

TwinN is used on a wide variety of fruit trees, forestry trees and vine crops and has enabled the replacement of either all, or a very significant proportion of, the nitrogen fertiliser requirements in these crops. Please refer to TwinN mode of action for information on how TwinN acts to increase yields and efficiency of nutrient uptake.

TwinN will be able to produce best results if producers apply normal levels of non-nitrogen nutrients and follow best practice in looking after the general health of the soil. Reduced application of nitrogen fertilisers and annual application of mulches to increase soil carbon content are first steps to good soil health.

If information on your crop is not on the website please contact your nearest distributor.

DECIDUOUS FRUIT TREES

Apples, pears, peaches, apricots etc

General Recommendations

Apply the normal rates of P, K and other nutrients. If these nutrients are limiting then the crop will be unable to respond to TwinN application. The amount of nitrogen fertiliser co-applied with TwinN for optimum results will vary. In some areas with low fertility it may still be economical to apply up to 25 - 50% of the normal rate of nitrogen fertiliser. Different soils and tree crop systems will enable different reductions in chemical nitrogen application and producers should determine the optimum system for their situation by using a 50% reduction in chemical nitrogen initially across the major production area and further reductions in smaller trial areas. Some producers use TwinN and no chemical nitrogen on their tree crops and obtain excellent yields.

Since many tree crop systems have drip irrigation systems in place application of TwinN via irrigation is very convenient.

Establishment

Apply TwinN at planting and again at the halfway point through the growing season. Continue two applications per growth cycle until fruiting commences.

Production phase

TwinN should be applied immediately after bud set with a second application two months later to further improve fruit size and quality. Many growers are giving a third application, via irrigation, just before the leaves colour prior to falling. This is to set up the following season's crop. Growers should not apply TwinN immediately prior to bud set as this may result in vegetative growth rather than flowering.

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Information for applying TwinN

Download the TwinN Crop Application Instructions and follow them carefully.

- > TwinN does not make P and K or other elements. These should be added according to your normal practice.
- > Application methods should deliver the TwinN microbes onto foliage that is moist for a minimum of 3-4 hrs, or into moist soil, to enable them to establish and multiply. Once established they are resilient to normal crop conditions.
- > Rehydrate TwinN strictly according to instructions.
- > **Apply TwinN strictly according to the Application Guidelines in the package. Failure to apply the product correctly will produce poor results.**

Avoid application under dry conditions.

If using chlorinated water you must de-chlorinate it. See TwinN Crop Application Instructions Do not mix TwinN with non-compatible chemicals. For a list of compatible and non-compatible chemicals visit Compatibility Table.

Foliar Application

Add the rehydrated TwinN to the mixing tank using at least 100 L water per ha. Apply by aerial, boom spray, or backpack. Use coarse nozzles. For row crops direct nozzles over the row (banding).

Irrigation

TwinN can be applied very easily and successfully through any irrigation system including centre pivot, drip, fertigation and any other. Application directly to the soil is fully effective.

Contact your TwinN Distributor for advice on how to maximize the convenience and efficacy of TwinN in your cropping system.

NON-DECIDUOUS FRUIT TREES

Nuts, coffee and forestry

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Since many tree crop systems have drip irrigation systems in place application of TwinN via irrigation is very convenient.

Citrus, avocado, olive, mango, lychee

Establishment

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Production phase

Apply TwinN immediately after bud set with a second application two months later to improve fruit size and quality. Many growers provide a third application two months later to set up the crop for the following season. Growers should not apply TwinN prior to bud set as this may result in vegetative growth rather than flowering.

Macadamia, pecan, coffee

Normal rates of P and K and micronutrients should be applied.

Establishment

Apply TwinN at planting and again at the halfway point through the growing season. Continue two applications per growth cycle until production commences.

Production phase

Apply TwinN at the spring break and reapply mid-summer for nut/fruit development.

Forestry crops

Normal rates of P and K and micronutrients should be applied.

Establishment

Apply TwinN at planting with a reduced nitrogen application. TwinN will accelerate the early growth of forestry crops which has a lasting effect on time to maturity. In addition, the enhanced root system that occurs with TwinN application will assist in buffering young trees from subsequent dry spells.

Production phase

Continue a spring application annually until maturity if crop economics allow.

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