

fruit set



THE IMPORTANCE OF AUXINS AND BORON IN FRUIT SET



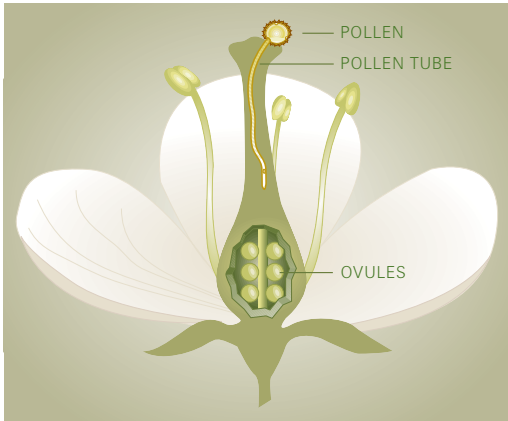
Flowers and pollen grains with low auxin levels have poor pollen tube growth, leading to poor fertilization and fruit set.

Application of an auxin dominant product such as Kelpak will increase auxin levels in flowers resulting in better pollen tube development and growth, with better fertilization and fruit set.

Boron deficiency in floral parts will stimulate the activity of the enzyme indole acetic acid (IAA) oxidase. This enzyme causes the natural break-down of auxins leading to lower auxin levels in floral parts. Correction of Boron deficiency levels will inhibit IAA oxidase and prevent the break-down of auxins present in floral parts.

Kelpak, a natural biostimulator extracted from freshly harvested *Ecklonia maxima* kelp, scientifically proven to increase the health, quality and yield in a wide variety of crops. **The global leader in auxin based seaweed products for over thirty years**

THE EFFECTS OF AUXINS ON FRUIT SET



LOW AUXINS

POOR POLLEN TUBE
ELONGATION

POOR FERTILISATION

POOR FRUIT SET

LOW YIELD



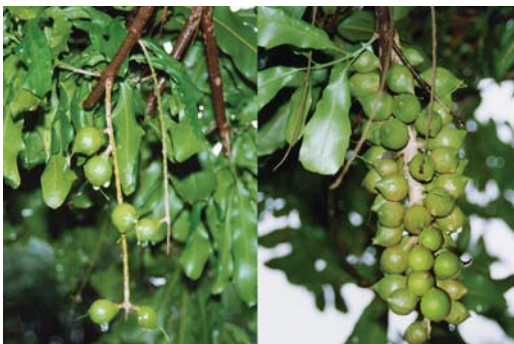
HIGH AUXIN LEVEL

IMPROVED YIELD

BETTER FRUIT SET

BETTER FERTILISATION

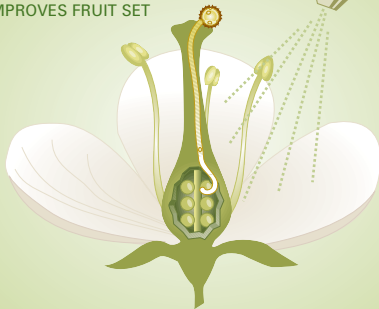
AUXINS PROMOTE
OPTIMUM POLLEN
TUBE ELONGATION



Effect of Kelpak
application on fruit set
in macadamias, Kelpak
treatment right and
standard practice left

THE EFFECTS OF BORON ON FRUIT SET

BORON APPLIED
WITH KELPAK
IMPROVES FRUIT SET



BORON

INHIBITS INDOLE
ACETIC ACID
OXIDASE ENZYME
THAT BREAKS
DOWN AUXINS

LESS IAA OXIDASE

MORE AUXINS

BORON DEFICIENCY=
POOR FRUIT SET



**DROP FOR DROP
THE MOST EFFECTIVE
BIOSTIMULANT**

RECOMMENDATION TO IMPROVE FRUIT SET:

Kelpak foliar application:

Apply Kelpak from balloon stage
to fruit set stage. Repeat once or
twice at 10 to 12 day intervals

Application rate:

3 L/ha / 3 pt/A (0.3% minimum)
Apply with standard Boron sprays
for optimum effect

CAUTION:

Do not apply Boron where Boron
toxicity can occur