

ReTain[®] PGR Maintains Post-Harvest Fruit Quality

ReTain[®] Plant Growth Regulator Soluble Powder contains AVG, which temporarily inhibits the production of ethylene and slows the fruit maturation process. In addition to traditional harvest management benefits, *ReTain* also maintains post-harvest fruit quality and reduces disorders in storage for improved packout and marketability.

Pre-Harvest Benefits:

- ▶ Drop control
- ▶ Harvest management
- ▶ Maintains fruit firmness
- ▶ Reduces cracking, watercore, skin greasiness and bleeding

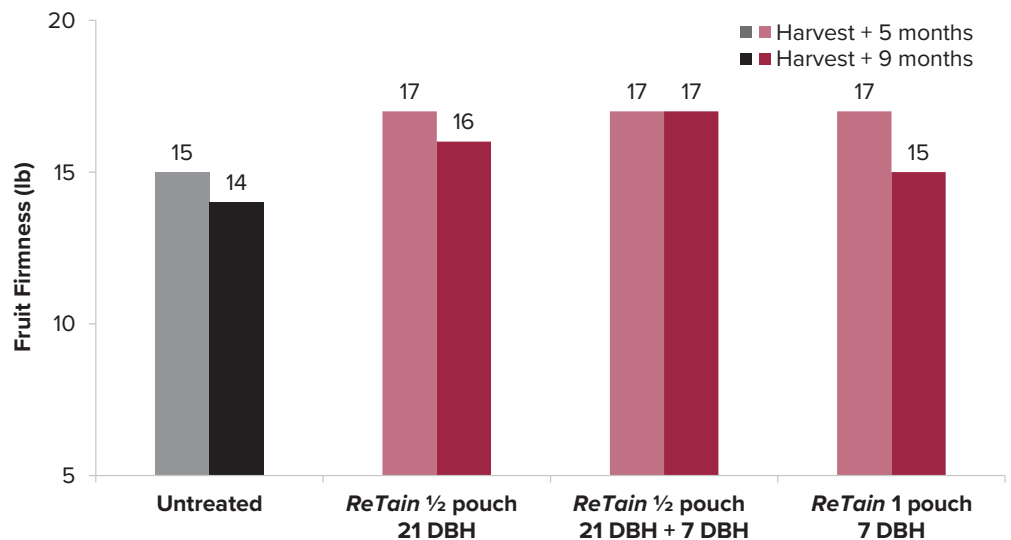
Post-Harvest Benefits:

- ▶ Reduces stem-end flesh browning
- ▶ Maintains fruit firmness
- ▶ Reduces skin greasiness and waxiness
- ▶ Improves packout

ReTain Preserves Fruit Firmness

ReTain maintains the fruit firmness at harvest during long-term storage. *ReTain* was most effective when used 21 days before harvest and again 7 days before harvest.

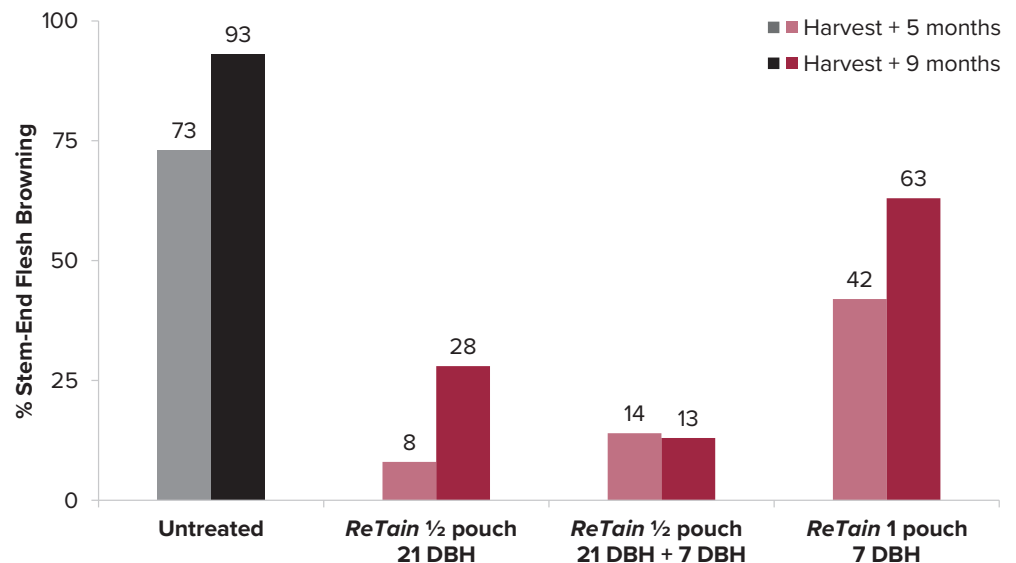
Apple variety = Gala
DBH = Days Before Harvest
Source: C. Watkins, Cornell, Ithaca, NY



ReTain Reduces Stem-End Flesh Browning

ReTain reduces stem-end flesh browning while in long-term CA (Controlled Atmosphere) storage. *ReTain* was especially effective when used at the 21-day mark and again 7 days before harvest.

Apple variety = Gala
DBH = Days Before Harvest
Source: C. Watkins, Cornell, Ithaca, NY



ReTain Reduces Stem-End Flesh Browning, Stem Bowl Cracking, Watercore and More Disorders



Stem-End Flesh Browning



Stem Bowl Cracking



Watercore

How To Use

Rate	1–2 pouches/A in a single application or split applications <ul style="list-style-type: none"> • Packaging: water soluble pouch (50 grams AI/333 grams water soluble bag)
Application Timing	To maximize benefits to reduce stem-end flesh browning and maintaining fruit firmness during storage: <ul style="list-style-type: none"> • ½ a pouch 21 days before harvest followed by ½ a pouch 7 days before harvest (equals a full rate split for maximum quality benefit)
Method	<ul style="list-style-type: none"> • Water volume: 100 gal/A or enough volume for adequate coverage without excessive runoff • Apply to healthy orchards. Do not apply to trees that may be nutrient, drought or pest stressed.
Surfactant	<ul style="list-style-type: none"> • Use an organosilicone surfactant at a concentration of 0.05–0.1% (v/v) to improve uptake • The use of an organosilicone surfactant is especially critical for drop-prone varieties
PHI / REI	7 days / 12 hours

Additional ReTain Use Considerations and Best Practices

- ▶ Avoid anything that contains zinc, iron or copper, as well as any +3 cations
- ▶ Do not tank mix ReTain with sunburn products, such Raynox[®] Protectant products. If sunburn products are used, apply at least 3 days before or after ReTain application.

