

Supplemental Label



EPA Reg. No. 73049-45

(For Use In; AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV and WY Only)

**RETAIN® PLANT GROWTH REGULATOR SOLUBLE POWDER
FOR USE ON APPLE AND PEAR
FOR HARVEST MANAGEMENT AND IMPROVED FRUIT QUALITY**

This supplemental labeling expired on March 11, 2018 and must not be used or distributed after this date

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR RETAIN® PLANT GROWTH REGULATOR SOLUBLE POWDER BEFORE APPLYING. USE OF RETAIN® PLANT GROWTH REGULATOR SOLUBLE POWDER ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR RETAIN® PLANT GROWTH REGULATOR SOLUBLE POWDER.

APPLE AND PEAR – FOR HARVEST MANAGEMENT AND IMPROVEMENT OF FRUIT QUALITY

CROP	OBJECTIVE / BENEFIT:	APPLICATION TIMING/ USE INSTRUCTIONS
Apple	<p>Single Application: Depending on cultivar, orchard conditions, application timing, and grower objectives, one or more of the following benefits will be associated with ReTain</p> <ul style="list-style-type: none">• Delayed fruit maturity• Improved harvest management• Reduced preharvest fruit drop• Additional time for increase in fruit size	<p>Single Pick Harvest: Apply one to two pouches of ReTain per acre 21 to 28 days prior to the anticipated beginning of the normal harvest period of untreated fruit. ReTain applied 21 to 28 days before harvest will delay the harvest period up to 7 to 10 days. Applications made either too early or too late will significantly reduce the efficacy of the product.</p>

	<ul style="list-style-type: none"> • Additional time for color development • Maintenance of fruit firmness • Improved fruit quality (e.g., reduced incidence and/or severity of watercore and stem bowl cracking) • Enhanced storage potential 	<p>Multiple Pick Harvest: To improve the fruit quality and storage potential of later picked apples (2nd, 3rd, 4th picks) apply one pouch of ReTain per acre, 7 to 14 days prior to the anticipated beginning of the normal harvest period of untreated fruit. ReTain applied, 7 to 14 days before harvest typically will not delay the start of the harvest (1st pick), but will help control the maturation rate of the later picks.</p>
	<p>Double Application: Depending on cultivar, orchard conditions, application timing, and grower objectives, one or more of the following benefits will be associated with a single application of ReTain:</p> <ul style="list-style-type: none"> • Delayed fruit maturity • Improved harvest management • Reduced preharvest fruit drop • Additional time for increase in fruit size • Additional time for color development • Maintenance of fruit firmness • Improved fruit quality (e.g., reduced incidence and/or severity of watercore and stem bowl cracking) • Enhanced storage potential <p>In addition to the effects of a single application of ReTain, one or more of the following benefits will be associated with a second application of ReTain:</p> <ul style="list-style-type: none"> • Extended delay in fruit maturity • Extended harvest management period • Extended pre-harvest drop control. • Extended maintenance of fruit quality at harvest • Greater enhancement of cold storage potential. 	<p>For the first application: Apply one pouch of ReTain per acre 28 days prior to the anticipated beginning of the normal harvest period of untreated fruit.</p> <p>For the second application: Apply one pouch of ReTain per acre 14 to 21 days after the first application but not less than 7 days before harvest.</p>

Pear	Single Application: ReTain will offer one or more of the same benefits as listed for apples, depending on the cultivar, growing conditions, and grower objectives.	Apply one pouch of ReTain per acre 7 to 16 days prior to the anticipated beginning of the normal harvest period of untreated fruit.
	Double Application: ReTain will offer one or more of the same benefits as listed for apples, depending on the cultivar, growing conditions, and grower objectives.	For the first application: Apply one pouch of ReTain per acre 21 to 28 days prior to the anticipated beginning of the normal harvest period of untreated fruit. For the second application: Apply one pouch of ReTain per acre 14 to 21 days after the first application but not less than 7 days prior to harvest.
Note: Harvest management and fruit quality benefits from ReTain will be greatest when applied at one to two pouches per acre. Under difficult coloring conditions, color development of certain bi-color apple cultivars such as Gala and Honeycrisp™ will be delayed when ReTain is applied at one to two pouches per acre. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).		
Water Volume: ReTain efficacy requires that fruit and foliage receive thorough spray coverage. To ensure thorough coverage adjust water volumes based on tree size and spacing and use calibrated spray equipment (i.e. orchard air blast sprayer). Excessive spray application volumes that result in spray runoff will reduce product performance. In most cases, 100 gallons per acre has been shown to be effective.		
Adjuvants: For optimal response, use ReTain with a 100% organosilicone surfactant. Use a final surfactant concentration of 0.05 to 0.1% (v/v) in the spray tank. To prevent possible spotting, use the 0.05% (v/v) concentration when high temperature (in excess of 86° F) weather conditions prevail or are anticipated. Do not use a surfactant concentration greater than 0.1% (v/v). To reduce foaming, add the adjuvant last and minimize agitation.		
Harvest: The normal harvest period for a particular orchard block refers to that time when fruits not treated with ReTain would be harvested for long term storage. To help determine the beginning of the normal harvest period, refer to historical trends for harvest dates and the "days from full bloom to harvest" interval for each cultivar in your area.		
Additional Notes:		
<ul style="list-style-type: none"> • Apply ReTain before laying reflective film or foil mulch under ReTain treated apple trees. ReTain may be applied either before or after laying fabric groundcovers under ReTain treated apple trees. • ReTain has a 7 day preharvest interval (PHI) for Apple and Pear. • Do not tank-mix ReTain with sunburn protection product. If sunburn protection products are used, apply at least 3 days before or after ReTain application. 		

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

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