Pear Plant Growth Regulator Programs

Pears - bearing

Symptom/Behaviour	Chemical	Rate per Acre	REI	PHI	Notes			
To prevent preharvest fruit drop (Anjou, Bartlett, Bosc)	NAA Fruitone L	8 - 32 fl oz	48 h	2 d				
	NAA Fruitone N	0.88-1.75 lb	48 h	2 d				
	NAA K-Salt Fruit Fix 800	0.5-1 fl oz	48 h	2 d				
	NAA PoMaxa	See Label	48 h	2 d				
	AVG ReTain	0.73 lb	12 h	7 d	Apply ReTain 1-2 weeks before start of normal harvest. Follow label instructions.			
	NAA Refine 24.2L	See Label	48 h	2 d	NAA becomes effective as a stop drop 3-4 days after application and typically reduces drop for 2 weeks.			
	NAA Refine 6.25L	See Label	48 h	2 d				
	Notes: NAA (K-Salt Fruit Fix 800, Fruitone, PoMaxa, Refine) is effective in preventing preharvest drop of pears. NAA does not actually re-tighten the pedicel (fruit stem) after application, but retards the development of the abscission layer between the pedicel and the spur. Application timing of NAA							

pedicel (fruit stem) after application, but retards the development of the abscission layer between the pedicel and the spur. Application timing of NAA products to prevent preharvest drop of pears is critical. Generally, NAA should be applied 6 to 7 days prior to harvest, but no closer than 2 days before harvest. NAA becomes effective 3 to 4 days following application, and has an effective period of about 2 weeks. Short-stemmed varieties may respond erratically.

Symptom/Behaviour	Chemical	Rate per Acre	REI	PHI	Notes	
	Notes: AVG or aminoethoxyvinylo control fruit drop. It is registered on the trees longer for greater si harvest. ReTain should be appli rate for ReTain is 50 grams active is suggested that the product be a mixes of ReTain with NAA or et optimum response, apply ReTa water to ensure thorough wettin ensure adequate coverage. A systems for at least 8 hours fo needed for the final spray volu Minimize agitation of the mixture. Compatibility and performan	glycine (ReTain) is an in for use on both apples ze without adverse effe ed to pears once at 7-1 e ingredient per acre (o applied slightly earlier to hephon are discourage in during periods of slo ng of the fruit, but not to djust water volumes ba llowing a ReTain applic me, add ReTain (in its Use approved surfacta ice data with anti-foami	nhibitor of and pea ects on s 16 days ne 0.73- o avoid p d becau w drying o runoff. ased on cation. T soluble p ants at a ing ager	of ethylene ars. Inhibitio storage life. before the s lb. pouch p problems w se these pr conditions Pear orcha tree size, s co minimize packaging) concentrat tts are not a	tion of ethylene biosynthesis delays maturation and permits fruit to rem e. The preharvest interval (PHI) for ReTain has been set at 7 days bef e start of normal harvest of untreated fruit. The recommended applicat in per acre). If weather conditions are not favorable for ReTain application with PHI. Apply together with a registered organosilicone surfactant. T products may counteract the ethylene inhibition produced by ReTain. In ns to enhance uptake. ReTain should be applied in a sufficient amount hards with denser canopies may require at least 200 gal/acre of water spacing and canopy density. Do not use overhead irrigation or cooling te foaming of spray mixture, fill spray tank with half the amount of wate g) and continue to fill tank. Add the surfactant just prior to filling the tan ration of between 0.05% and 0.1% v/v (0.4-0.8 pint/100 gallons maximi t available; such products are not recommended for use with ReTain.	i and nain ore ion, it ank- For to to J ≱r k. um).

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