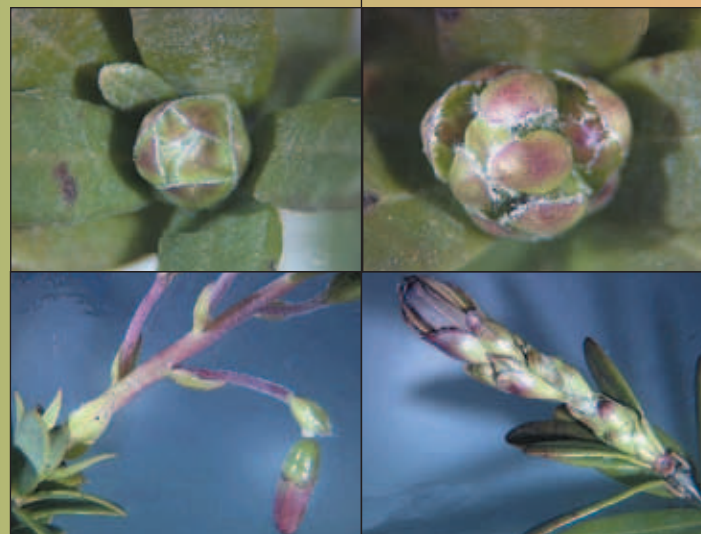


Oregon Cranberry Practices Calendar



October

November

December

January

February

March

April

Post-harvest

Late October–early November

Flood if necessary for control of root weevil and girdler larvae. Flood duration depends on soil temperature and oxygen content of water; at least 2 weeks is suggested. Control is greater if water can remain on the bed for 6 weeks.

Apply clopyralid* to manage sheep sorrel (sour dock) and other susceptible perennial or biennial weeds.

*Contact your local OSU Extension agent for specific product information.

November

Drain irrigation lines and pumps to protect against winter freezes.



Photograph by Lynn Ketchum © Oregon State University

Dormant

November–January

Order bees for bloom-time pollination. Two hives per acre are suggested. Consult PNW 245 (see “For more information,” page 7) for information on developing contracts with bee keepers.

November–February

Re-sanding. Apply $\frac{1}{2}$ to $\frac{3}{4}$ inch of sand uniformly to bed at one time. Do not exceed 1 inch.


Prune wet-picked beds if needed; i.e., remove excess vegetative growth. Research has shown that light pruning is better than heavy pruning.

November–March

Control algae, liverworts, and moss. A number of fungicides kill algae, liverworts, and moss as well as controlling fungus diseases. The density and vigor of the weed and the cranberry vines, as well as the local environment, will determine whether treatments are required each year.




Repair and maintain equipment.

Improve drainage in and around beds. Remove trees that shade beds.

January	February	March	April	May	June
Late dormant <i>Mid-January to mid-April</i> Planting. Use pest-free vines with a known production history. If possible, install the irrigation system before planting. This helps reduce weed growth and protects against soil heaving during frost events. <i>Late February to mid-March</i> Apply pre-emergent herbicides, if needed, according to label instructions and expert recommendations. Do not apply after bud break.					
		Delayed dormant <i>Early March</i> Ready frost protection system. <i>Mid-March</i> Make sure frost protection system is fully operable. Keep thermostat on 32°F to protect at 30°F and below. <i>March</i> Apply Bordeaux or other copper fungicide for algae, liverwort, moss, and general disease control.	Early growth <i>April</i> Irrigate as needed, about 1 inch per week. Monitor evapotranspiration and precipitation on the AgriMet web site.		
		Early growing season <i>April-June</i> Apply post-emergent herbicide, if needed, to control broadleaf weeds, according to label instructions and expert recommendations.			
		Cabbagehead-Bud break <i>Late March-April</i> Use a combination of leaf tissue and soil test results from the previous season plus your experience to plan crop fertilization. In a perennial crop like cranberries, most fertilizer applications will affect bud set and plant vigor for crops to be harvested one to several years in the future. See EM 8741 (“For more information,” page 7). Scout for black vine weevil larvae in soil. Larvae are most often found within the duff layer, but may be found as deep as 8" below the soil. Monitor irrigation system for uniformity, as vine weevil infestations most commonly occur in dry areas.			
		<p>Cabbagehead</p> <p>Photograph by Beth Ann A. Workmaster and Jiwan P. Palta. Reproduced with permission by American Society for Horticultural Science.</p>			



Cabbagehead

Photograph by Beth Ann A. Workmaster and Jiwan P. Palta. Reproduced with permission by American Society for Horticultural Science.

March	April	May	June	July	
<div>Growing season</div> <div>April–July</div> <div>Apply post-emergent herbicides, as needed; spot treat if possible. Follow label directions for rate, timing, and special instructions for use.</div> <div>Hand pull or make wick applications on difficult-to-control weeds.</div>					
<div>Bud break</div> <div>March–April</div> <div>Scout for uprights infected with Lophodermium twig blight. Consult the Diseases section of PNW 247 (see “For more information,” page 7) for a description of symptoms.</div> <div>Treat bed with approved fungicide if Cotton Ball has previously been detected.</div>		<div></div> <div>Bud break</div>			
<div>Roughneck–Hook</div> <div>March–May</div> <div>Scout for Rose Bloom. Treat, if necessary, with approved fungicide when “blooms” develop waxy coating.</div>			<div></div> <div>Roughneck</div>		
<div>Cabbagehead–Hook</div> <div>March–April</div> <div>Set thermostat on 34°F for protection at 32°F.</div>		<div></div> <div>Hook</div>			
<div>New shoot growth</div> <div>Late April–early May</div> <div>Monitor beds by net sweeping or crawling across the bed looking for the first brood of blackheaded fireworm larvae.</div> <div>Treat if necessary, with an approved insecticide.</div>					

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April	May	June	July	August
Growing season <i>April–October</i> Keep dikes mowed to reduce weed seed production and spread of weeds.				
Hook–Bloom →				
<i>April–June</i> Keep thermostat on 34°F for protection at 32°F.				
<i>Early May–July</i> Install pheromone traps for cranberry girdler and the 2nd and 3rd generations of blackheaded fireworm. Monitor traps twice a week on the same days, such as Tuesday and Friday. Record moth counts in the afternoon. Treat 7 days after peak flight if using an insect growth regulator; 10–14 days after peak flight if using other types of pesticides. Treat considering honey bee safety if hives are still present.				
<i>Late May–June</i> Sweep at night for black vine weevil in suspect beds. Treat adults at emergence (typically early to mid-June). Larvae can also be controlled with parasitic nematodes. Consult OSU Extension personnel for more detailed pesticide information. A post-harvest flood for at least 2 weeks may also help to control larvae. Scout for uprights infected with Cotton Ball fungus. Follow the latest disease control charts for approved fungicides.				
10–20% bloom <i>May</i> Place beehives in a wind-sheltered, dry, sunny spot. Move hives adjacent to the beds no earlier than 10% bloom and no later than 25–30% bloom.		End of bloom <i>Late June–early July</i> Treat entire bed if Lophodermium is present. Follow latest disease control charts. Heed re-entry (REI) and pre-harvest (PHI) intervals. If cranberry girdler moths were detected, apply parasitic nematodes 2 to 4 weeks after peak flight. Also, re-sand during winter to discourage establishment of girdler larvae. If sanding cannot be done, winter flood for at least 6 weeks. <i>Early to mid-July</i> Treat for second brood of blackheaded fireworm if detected in beds.		
		Fruit set and sizing ← <i>Late June–August</i> Treat beds for fruit rot control. Multiple applications per season may be needed. Consult OSU Extension personnel and the latest disease control charts for approved fungicides and treatment options.		

July	August	September	October	November
Growing season <i>April–October; mostly September–October</i> Use sprinkler system to protect from heat when temperature is 80°F or above. Scald injury to fruit may occur when temp is 80°F or above and relative humidity is less than 50%. Early season heat events may temporarily wilt new growth. Late season events may scald berries and increase fruit rot.				
Bud set <i>July–October</i> Maintain adequate irrigation for healthy plants. Watch for drought stress. Monitor crop and weather reports. <i>Mid-August to mid-September</i> Take leaf samples on established beds according to recommendations in EM 8610 (see “For more information,” page 7). If desired, take soil samples at same sampling locations. Soil samples help in monitoring soil acidity (pH) and some nutrients. August Identify and map weeds before harvest. Complete handler reports for use of pesticides. September Plant cover crops on dike banks to reduce erosion and weed competition.				
			Fruit maturity <i>Late September–October</i> When necessary, work with fellow growers to schedule water use for harvest. Work with your handler to schedule deliveries for maximum efficiency and profit.	
			Harvest <i>Late September to early November</i> Follow good safety practices to protect yourself, family members, and hired workers. Drain flood water slowly to protect fish-bearing streams.	

Photograph by Lynn Ketchum © Oregon State University

For more information

2009 Northwest United States Cranberry Pesticide Chart. Cranberry Institute, 266 Main St., Wareham, MA 02571.

[AgriMet](#) – The Northwest Cooperative Agriculture Weather Network.

[EB0845E, Cranberry Pest Management Guide](#). Antonelli, A., K. Patten, and C. Daniels. Washington State University Extension Service.

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[PNW 245, Evaluating Honey Bee Colonies for Pollination: A Guide for Growers and Beekeepers](#). Burgett, D.M., G.C. Fisher, D.F. Mayer, and C.A. Johansen. 1993. University of Idaho Extension Service.

[PNW 247, Cranberry Production in the Pacific Northwest](#). Strik, B.C. et al. 2002. Oregon State University Extension Service.

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Photograph of cranberries on page 1 by Lynn Ketchum, © Oregon State University.

Use pesticides safely!

- Wear protective clothing and safety devices as recommended on the label. Bathe or shower after each use.
- Read the pesticide label—even if you've used the pesticide before. Follow closely the instructions on the label (and any other directions you have).
- Be cautious when you apply pesticides. Know your legal responsibility as a pesticide applicator. You may be liable for injury or damage resulting from pesticide use.

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