



Monthly identification and assessment helps to maintain the health of our plants and assure an abundant harvest. All activities support as sustainable, organic garden and environmental cycles. To learn more about the ecological garden design elements, visit [www.DelPuerotHSGarden.com/design\\_details](http://www.DelPuerotHSGarden.com/design_details).

# Garden IPM Checklist

<p><b>Recommended Supplies</b></p>	<ul style="list-style-type: none"> <li>• <a href="#">Dr. Earth Ready-to-use Weed and Grass Herbicide</a> spray</li> <li>• <a href="#">DE- Diatomaceous Earth</a></li> <li>• <a href="#">Earth's Ally Insect Control</a> ready-to-use spray</li> <li>• Digging trowels, gloves, kneeling pads, sun hat and sunscreen.</li> <li>• <b>Nature's Good Guys</b> Beneficial Insects <ul style="list-style-type: none"> <li>⇒ <a href="#">Nematodes Hb+Sc+Sf</a> (biological control 7" soil deep)</li> <li>⇒ Praying Mantis egg cases</li> <li>⇒ Live Ladybugs</li> </ul> </li> <li>• Hose, water, hose-end bottle sprayer/watering can. Here is the <a href="#">video link to explain how to turn on the hose</a> from the sprinkler system.</li> </ul>
<p><b>IPM (Integrated Pest Management)</b></p>	<p><b>Weeding:</b></p> <ul style="list-style-type: none"> <li>• <b>Pull and Drop Method</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Carefully identifying weeds in living mulch and planting areas.</li> <li><input type="checkbox"/> Dig weeds up from the roots. <ul style="list-style-type: none"> <li>• If there is no seed heads, drop them into walkway to decompose.</li> <li>• If seed heads have formed, throw weed into garbage.</li> </ul> </li> </ul> </li> <li>• <b>Spot spray organic herbicide</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Bindweed:</b> Dig up roots, detangle stems, and throw into garbage to prevent spread. <a href="#">Spot spray roots.</a></li> </ul> </li> </ul> <p><b>Animal Pests:</b></p> <ul style="list-style-type: none"> <li>• <b>Gophers</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check water bowls to make sure they are upright and cleaned with soapy water.</li> <li><input type="checkbox"/> Report to office evidence of gopher holes or fresh dug dirt mounds.</li> </ul> </li> </ul> <p><b>Insect Pests:</b></p> <ul style="list-style-type: none"> <li>• <b>Beneficial Predators</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Early Spring:</b> Set out Praying Mantis egg cases to hatch when temperatures rise.</li> <li><input type="checkbox"/> <b>Mid Spring:</b> Release ladybugs only if there are signs of aphid or other soft bodied insect activity. This is their food source and they will leave your garden if their aren't insects to eat.</li> <li><input type="checkbox"/> <b>Seasonally 60-80°:</b> Spray in beneficial nematodes using a hose-end spray bottle or watering can.</li> </ul> </li> <li>• <b>Topical treatment</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>1.</b> Use a strong hose sprayer and water to rinse of affected leafy plants.</li> <li><input type="checkbox"/> <b>2.</b> Sprinkle DE around plant base as it will dehydrate/kill soft shell insects and/or eggs laid in the soil.</li> <li><input type="checkbox"/> <b>3.</b> Spot spray an organic pesticide onto plant leaves.</li> <li><input type="checkbox"/> Repeat this lifecycle interruption strategy 2-3 times/ week until evidence of pests have stopped.</li> <li><input type="checkbox"/> <b>Final Alternative:</b> Remove affected plants and apply a final DE and organic pesticide to soil surrounding plant.</li> </ul> </li> </ul> <p><b>Signs of Disease:</b></p> <ul style="list-style-type: none"> <li>• Systemic treatment <ul style="list-style-type: none"> <li><input type="checkbox"/> For invasive pests or signs of disease, contact <a href="#">UC Master Gardeners</a> for identification and organic treatment recommendations (e.x. Neem Oil).</li> </ul> </li> </ul>



Monthly identification and assessment helps to maintain the health of our plants and assure an abundant harvest. All activities support as sustainable, organic garden and environmental cycles. To learn more about the ecological garden design elements, visit [www.DelPuerotHSGarden.com/design\\_details](http://www.DelPuerotHSGarden.com/design_details).

# Garden Water Care Checklist

<p><b>Recommended Supplies</b></p>	<ul style="list-style-type: none"> <li>• 2 AA Lithium-Ion Batteries/ season. These batteries can withstand outdoor temps between 10-115°.</li> <li>• Replacement parts as needed for sprinkler heads and 1/4" tube irrigation sprayers/ bubblers.</li> <li>• Here is the <a href="#">video link to explain how to turn use the manual</a> sprinklers system.</li> <li>• Frost blanket for Dragon Fruit Cactus</li> </ul>
<p><b>Water System Check</b></p>	<p><b>Hose Bib Auto Timer</b></p> <p><b>Monthly-especially August:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Examine garden for signs of over or under watering.</li> <li><input type="checkbox"/> Run sprinklers manually for both Zone 1 and Zone 2. While on, examine sprinkler heads and irrigation sprayers for clogs or damaged heads, leaks in hoses or at connection points.</li> <li><input type="checkbox"/> Report to maintenance or front office staff.</li> <li><input type="checkbox"/> Turn off water irrigation to any boxes that do not have plants growing.</li> </ul> <p><b>Seasonally– October, February:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Replace lithium batteries. Lithium can handle temperatures 0-115°.</li> <li><input type="checkbox"/> Adjust timer for appropriate city water restrictions: 2-3 days, 30-45 min., Zone 1 and Zone 2 timers set at staggered morning time. See timer instructions with front office.</li> </ul> <p><b>Annually– May:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Replace Hose Bib Auto Timer. Be sure to align marked Zone 1 and Zone 2 sprinkler hoses to the correct timer zones.</li> <li><input type="checkbox"/> Return new package instructions to front office with adjusted notes for required lithium battery size.</li> </ul>
<p><b>Potted Container Check</b></p>	<p><b>Large Pots or Earthboxes</b></p> <p><b>Seasonally:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check containers for signs of over/under watering, container breakage, over heating/burn from asphalt, or ant colony formation.</li> <li><input type="checkbox"/> Report to front office so the proper care can be assigned and assessed.</li> </ul> <p><b>Dragon Fruit &amp; Trellis</b></p> <p><b>Monthly:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check to see if soil is lightly moist from center to rim.</li> <li><input type="checkbox"/> Color should be a fresh, light green. Yellowing is an indication of an issue which will need profession evaluation.</li> <li><input type="checkbox"/> Report any negative findings to front office.</li> <li><input type="checkbox"/> Dragon fruit cactuses should be delicately supported with polyester tape on it's trellis. Be sure to tie semi-securely so that wind does not tear cactus limb loose.</li> </ul> <p><b>Seasonally: December– Feb/Mar.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use a frost prevention blanked to cover cactus through the end of frost dates– approx. Feb/March.</li> </ul>



Seasonal pruning is the removal or reduction of certain plant parts that are not required, that are no longer effective, or that are of no use to the plant. Over pruning can weaken or kill plants. Please be sure to consult an experienced professional before beginning pruning projects.

All activities support as sustainable, organic garden and environmental cycles. To learn more about the ecological garden design elements, visit [www.DelPuerotHSGarden.com/design\\_details](http://www.DelPuerotHSGarden.com/design_details).

# Pruning & Trimming Checklist

<p><b>Recommended Supplies</b></p>	<ul style="list-style-type: none"> <li>• Tree limb by-pass loppers</li> <li>• Hand Pruners</li> <li>• Weedwhacker and 50' electrical extension cord</li> <li>• Winter Rye seeds</li> </ul>		
<p><b>Trees</b></p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Fruit Tree Pruning</b> Dave Wilson Nursery Videos</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Winter Pruning</a></li> <li><input type="checkbox"/> <a href="#">Summer Pruning</a></li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Fruit Tree Planting, Growth, and Home Orchard Development Contact</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> UC Master Gardeners are available to consult on how to properly care for trees or plants. <a href="#">Request a phone consultation or site visit.</a></li> <li><input type="checkbox"/> <a href="#">CA Rare Fruit Growers, Inc. Fruit Specialist</a> will answer questions about trees and even has a number of chapter members in the area that may be able to visit and advise.</li> <li><input type="checkbox"/> Academic resources or research resources can be found at the <a href="#">Stanislaus County Agriculture and Natural Resources Department.</a></li> </ul> </td> </tr> </table>	<p><b>Fruit Tree Pruning</b> Dave Wilson Nursery Videos</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Winter Pruning</a></li> <li><input type="checkbox"/> <a href="#">Summer Pruning</a></li> </ul>	<p><b>Fruit Tree Planting, Growth, and Home Orchard Development Contact</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> UC Master Gardeners are available to consult on how to properly care for trees or plants. <a href="#">Request a phone consultation or site visit.</a></li> <li><input type="checkbox"/> <a href="#">CA Rare Fruit Growers, Inc. Fruit Specialist</a> will answer questions about trees and even has a number of chapter members in the area that may be able to visit and advise.</li> <li><input type="checkbox"/> Academic resources or research resources can be found at the <a href="#">Stanislaus County Agriculture and Natural Resources Department.</a></li> </ul>
<p><b>Fruit Tree Pruning</b> Dave Wilson Nursery Videos</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Winter Pruning</a></li> <li><input type="checkbox"/> <a href="#">Summer Pruning</a></li> </ul>	<p><b>Fruit Tree Planting, Growth, and Home Orchard Development Contact</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> UC Master Gardeners are available to consult on how to properly care for trees or plants. <a href="#">Request a phone consultation or site visit.</a></li> <li><input type="checkbox"/> <a href="#">CA Rare Fruit Growers, Inc. Fruit Specialist</a> will answer questions about trees and even has a number of chapter members in the area that may be able to visit and advise.</li> <li><input type="checkbox"/> Academic resources or research resources can be found at the <a href="#">Stanislaus County Agriculture and Natural Resources Department.</a></li> </ul>		
<p><b>Bushes/ Large Plants</b></p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Edible– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult.</li> <li><input type="checkbox"/> Trim bushes to approx. 2' -3' and save cuttings for drying, crafting, or use as mulch.</li> <li><input type="checkbox"/> Bushes to use for insect repelling mulches: lavender leaves, rosemary, sage, lemon geranium, peppermint.</li> <li><input type="checkbox"/> Bushes to use from crafts: lavender flower stems, rosemary, scented geraniums, catnip, catmint, peppermint, lemon balm.</li> <li><input type="checkbox"/> Bushes to use for food preservation: rosemary, sage, scented geraniums, lemon verbena</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Ornamental October/May</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult. Plants with formed seed heads should not be used as compost as it will spread seeds throughout the garden.</li> <li><input type="checkbox"/> Trim bushes to approx. 3' and use cuttings for floral arrangements, compost, or mulch. Or remove annuals</li> <li><input type="checkbox"/> Bushes to use for floral arrangements: Salal berry bush greens, lemon verbena, salvia.</li> <li><input type="checkbox"/> Bushes to use from compost or much: sugar cane leaves, roses, lantana, salvia, comfrey, nasturtium, hollyhocks, sunflowers.</li> </ul> </td> </tr> </table>	<p><b>Edible– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult.</li> <li><input type="checkbox"/> Trim bushes to approx. 2' -3' and save cuttings for drying, crafting, or use as mulch.</li> <li><input type="checkbox"/> Bushes to use for insect repelling mulches: lavender leaves, rosemary, sage, lemon geranium, peppermint.</li> <li><input type="checkbox"/> Bushes to use from crafts: lavender flower stems, rosemary, scented geraniums, catnip, catmint, peppermint, lemon balm.</li> <li><input type="checkbox"/> Bushes to use for food preservation: rosemary, sage, scented geraniums, lemon verbena</li> </ul>	<p><b>Ornamental October/May</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult. Plants with formed seed heads should not be used as compost as it will spread seeds throughout the garden.</li> <li><input type="checkbox"/> Trim bushes to approx. 3' and use cuttings for floral arrangements, compost, or mulch. Or remove annuals</li> <li><input type="checkbox"/> Bushes to use for floral arrangements: Salal berry bush greens, lemon verbena, salvia.</li> <li><input type="checkbox"/> Bushes to use from compost or much: sugar cane leaves, roses, lantana, salvia, comfrey, nasturtium, hollyhocks, sunflowers.</li> </ul>
<p><b>Edible– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult.</li> <li><input type="checkbox"/> Trim bushes to approx. 2' -3' and save cuttings for drying, crafting, or use as mulch.</li> <li><input type="checkbox"/> Bushes to use for insect repelling mulches: lavender leaves, rosemary, sage, lemon geranium, peppermint.</li> <li><input type="checkbox"/> Bushes to use from crafts: lavender flower stems, rosemary, scented geraniums, catnip, catmint, peppermint, lemon balm.</li> <li><input type="checkbox"/> Bushes to use for food preservation: rosemary, sage, scented geraniums, lemon verbena</li> </ul>	<p><b>Ornamental October/May</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This activity should be supervised by a knowledgeable adult. Plants with formed seed heads should not be used as compost as it will spread seeds throughout the garden.</li> <li><input type="checkbox"/> Trim bushes to approx. 3' and use cuttings for floral arrangements, compost, or mulch. Or remove annuals</li> <li><input type="checkbox"/> Bushes to use for floral arrangements: Salal berry bush greens, lemon verbena, salvia.</li> <li><input type="checkbox"/> Bushes to use from compost or much: sugar cane leaves, roses, lantana, salvia, comfrey, nasturtium, hollyhocks, sunflowers.</li> </ul>		
<p><b>Cover Crops</b></p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Living Walkway– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trim walkway to 2-3" using a weed-whacker and leave cuttings in walkway to decompose.</li> <li><input type="checkbox"/> Repeat as needed.</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Reseed– October 2021-2023</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Reseed the living mulch walkway with Winter Rye seeds to as part of the soil remediation strategy for stabilization .</li> <li><input type="checkbox"/> Red Crimson Clover will reseed itself in early spring.</li> </ul> </td> </tr> </table>	<p><b>Living Walkway– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trim walkway to 2-3" using a weed-whacker and leave cuttings in walkway to decompose.</li> <li><input type="checkbox"/> Repeat as needed.</li> </ul>	<p><b>Reseed– October 2021-2023</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Reseed the living mulch walkway with Winter Rye seeds to as part of the soil remediation strategy for stabilization .</li> <li><input type="checkbox"/> Red Crimson Clover will reseed itself in early spring.</li> </ul>
<p><b>Living Walkway– September/April</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trim walkway to 2-3" using a weed-whacker and leave cuttings in walkway to decompose.</li> <li><input type="checkbox"/> Repeat as needed.</li> </ul>	<p><b>Reseed– October 2021-2023</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Reseed the living mulch walkway with Winter Rye seeds to as part of the soil remediation strategy for stabilization .</li> <li><input type="checkbox"/> Red Crimson Clover will reseed itself in early spring.</li> </ul>		



Monthly soil care is part of our soil remediation strategy for clay soils as well as establishing self-sustaining nutrient cycles as the garden maturing; 2021-2023.

All activities support as sustainable, organic garden and environmental cycles. To learn more about the ecological garden design elements, visit [www.DelPuerotHSGarden.com/design\\_details](http://www.DelPuerotHSGarden.com/design_details).

# Soil Ecology Checklist

<p><b>Recommended Supplies</b></p>	<ul style="list-style-type: none"> <li>• <a href="#">Chameleon hose-end bottle sprayer</a>, hose, water access</li> <li>• <a href="#">SCD's BioAg Microbial Inoculant and Soil Amendment</a> liquid concentrate.</li> <li>• Blackstrap Molasses (unsulfured) and whole milk</li> <li>• Seaweed liquid concentrate.</li> <li>• <a href="#">MycoGrow® Micronized Endo/Ecto Seed Mix</a> from Fungi.com</li> <li>• Finely chipped, redwood mulch, 2 cubic yards, refreshed 2022-23.</li> </ul>	<p><b>Academic Resources</b></p> <ul style="list-style-type: none"> <li>• SCDProbiotic case studies for <a href="#">Effects of SCD Bio Ag® on Soil Microbial Activity, Biomass and Enzymatic Activity in Field Study</a> and <a href="#">SCD Bio Ag® Used to Accelerate Composting Time</a>.</li> <li>• Terrior Seeds' Stephan Scott quotes studies and scientific findings in his article <a href="#">Milk and Molasses: Magic for Your Garden</a>. He also includes recipes and ratios for use.</li> <li>• USDA published article and promotion of calendar use, especially when annual vegetables are present: <a href="#">Seaweed extract: biostimulator of plant defense and plant productivity</a> by Mukherjee, A., Patel, J. S.</li> <li>• Article and basis for redwood mulch/Endo/Ecto seed mix multi-year experiment: <a href="#">The Importance and Conservation of Ectomycorrhizal Fungal Diversity in Forest Ecosystems: Lessons From Europe and the Pacific Northwest</a> by Michael P. Amaranthus</li> </ul>
<p><b>Microbial &amp; Mycorrhizal Support - Pest Prevention - Foliar Spray</b></p>	<p><b>MMSPP Foliar Spray</b> can be mixed and used interchangeably in the following quantities using the Chameleon hose-end bottle sprayer with dial set to 8 oz (distribution of 8 oz./gal) for distribution over &gt;1000 sf.</p> <p><b>Monthly:</b> Fill Spray bottle with 8 oz. dilution liquid of water before adding:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>1/2 c. SCD Bio Ag</b> . 4 oz. / 1 gal. (water can).</li> <li><input type="checkbox"/> <b>1/4 c. Liquid concentrate of Seaweed.</b> 2 oz. / 1 gal. (water can).</li> <li><input type="checkbox"/> Optional Blackstrap Molasses addition for 2021-22.</li> </ul>	<p><b>Bi-Monthly—2021-22</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>1/2 c. Blackstrap Molasses</b> adjustment if decreasing from regular use. Be sure to stir to dissolve in 8 oz. of dilution liquid. 4oz./1 gal. (watering can). Graduate to seasonal use in 2022-23.</li> <li><input type="checkbox"/> <b>4 c. Milk</b> to 1 gal. of water. Use a watering can to distribute over 1,000 sf.</li> <li><input type="checkbox"/> <b>Be sure to soak compost bin contents with all liquids.</b></li> </ul> <p><b>Seasonally 60-80°:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> MycoGrow Miconized Endo/Ecto Seed inoculum 2021 and with woodchip additions in 2023. Read package for application directions.</li> <li><input type="checkbox"/> 2023 MMSPP sprayer schedule.</li> </ul>