

Fall colors are more intense some years

Warm fall days with cool nights should produce the most brilliant fall colors

BY LIZ DOUVILLE
For The Spokesman

The lush, sometimes subtle colors of the summertime pinks and purples are slowly being replaced with the vibrant reds and various shades of yellow and golden. I started noticing fall color with the vibrant red of a maple tree in our neighborhood and realized it is time to open my eyes wider as I do my errands.

The old folklore was that there had to be a hard frost to bring the color. Obviously that doesn't ring true as our night temperatures have generally been in the 40s with some nights dipping into the 30s, but not a hard frost. You have to stop and wonder what does make the dramatic color change in deciduous trees and shrubs.

The green we see in leaves is chlorophyll, the pigment that absorbs sunlight. As days shorten and nights become crisper the chlorophyll cells break down and other pigments in the leaf structure take over.

According to a U.S. Forest Service paper, temperature and moisture are the main influences. A succession of warm, sunny days and cool, crisp but not freezing nights seems to bring out the most spectacular color. During these days, lots of sugars are produced in the leaf but the cool nights and the gradual closing of the veins going into the leaf prevents these sugars from moving out. These conditions, lots of sugar and lots of light spur production of the brilliant anthocyanin pigments.

It's not your imagination that in some years the fall color seems more intense than in other years.

The amount of moisture in the soil also affects autumn colors. Soil moisture varies greatly from year to year. A late spring or a severe summer drought can delay the onset of fall color by a few weeks. A warm period (both day and night) during the fall will also lower the intensity of fall colors. A warm wet spring, favorable summer weather, and warm fall days with cool nights should produce the most brilliant fall colors.

The East Coast area is famous for the spectacular autumn colors. Adirondack, Appalachian, Smoky and Rocky Mountains are also noted for colorful displays of reds, oranges and golds. In the west we see the bright yellows of aspen stands and western larch (commonly called tamaracks in eastern North America) contrasting with the dark green of evergreen conifers and the blue-green of the junipers.

As the days become shorter and the intensity of sunlight declines, leaves begin the processes leading up to their fall. The veins that carry fluids into and out of the leaf gradually close off as a layer of cells form at the base of each leaf. These



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File photo

Liz Douville

clogged veins trap sugars in the leaf and promote production of anthocyanins.

Once this separation layer is complete and the connecting tissues are sealed off, the leaf is ready to fall. Then it is time to get out the rake and find a temporary home for the leaves until it is time to mulch.

Mulching should be done after the first hard freeze. If applied earlier you trap heat in the ground and risk bulbs starting to develop or spring growth of perennials starting to pop through.

If you decide your landscape needs a fall color punch, spend some hours this winter doing

research. Plan where you would plant; consider the water source, plant hardiness, site location, the maximum growth of the tree or shrub.

Funny how that cute little tree or shrub turns into a monster over the years. You might also want to consider if the plant material will give you several seasons of enjoyment, a spring flower, the possibility of berries or interesting seed pods, plus fall color. Purchase plants appropriate for our growing climate which range from USDA Zone 2 to Zone 5.

Our local nurseries have many selections and the best part is that the materials have been hardened off and are acclimated to our climate.

Check out OSU publications "Fire-Resistant Plants for Home Landscapes" and "Water-wise Gardening in Central Oregon" at extension.oregonstate.edu/deschutes for suggestions.

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sale and will be towed separately. Northwest Self Storage, 317 SW Columbia Street, Bend: #223 Hawkins, Keith. 1030 B Avenue, Terrebonne: #0042 Lucei, Edward; #0174 Thompson, Chelsea. 100 SE 3rd Street, Bend: #0C231 Prater, Jeremy; #0C240 Watkins, Brandon; #00B30 Swafford, Bryon. 136 SW Century Drive, Bend: #0812 Clyde, Heather. 62939 N Hwy 97, Bend: #3014 Loftus, Haley; #2028 Crawford, Tiffani; #2079 Phillips, John; #3126 Phillips, John. 3925 SW 25th Place, Redmond: #H55 Schaffer, Tracy; #J42 Pitcher, Cary; #X48 Cowell, Weston; #L21 Wilson, Donovan; #J110 Jarner, Robert; #J103 Hamilton, Michele; #V23 Tice, Bobbie; #K11 Monterrosa, Alan.

The undersigned has been appointed Administrator of the Estate of DAVID RAY SWACK, Deceased, by the Deschutes County Circuit Court of the State of Oregon, probate number 22PB08584. All persons having claims against the Estate are required to present the same with proper vouchers within four (4) months after the date of first publication to the undersigned or they may be barred. Additional information may be obtained from the court records, the undersigned or the attorney. Date first published: October 4, 2022
Matthew Swack
Administrator
c/o Collin T. Edmonds
Attorney at Law
915 SW Rimrock Way
Ste. 201, #106
Redmond, OR 97756

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR THE COUNTY OF DESCHUTES

In the Matter of the Estate of: FLORENCE ELIZABETH FUHRMAN, Deceased. Case No. 22PB08043
NOTICE TO INTERESTED PERSONS
NOTICE IS HEREBY GIVEN that Scott H. Fuhrman has been appointed personal representative.

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All persons having claims against the estate are required to present them, with vouchers attached, to the undersigned personal representative through his attorney, Jacklyn L. Richins, at Baxter Harder, LLC, 400 SW Bond St., Ste 200, Bend, OR 97702 within four months after the date of first publication of this notice, or the claims may be barred. All persons whose rights may be affected by the proceedings may obtain additional information from the records of the Court, the personal representative, or the attorney for the personal representative, Jacklyn L. Richins. Dated and first published on September 20, 2022
Jacklyn L. Richins, OSB #184300
Attorney for Personal Representative
PERSONAL REPRESENTATIVE:
Scott H. Fuhrman
18160 Cottonwood Road PMB 505
Sunriver, OR 97707
ATTORNEY FOR PERSONAL REPRESENTATIVE: Jacklyn L. Richins, OSB No. 184300
Baxter Harder, LLC
400 SW Bond St., Ste 10
Bend, OR 97702
P: (541) 306-2060
F: (541) 306-3045
E: jacklyn@baxterharder.com

The undersigned has been appointed personal representative of the Estate of Roberta May Goad, Deceased, by the Deschutes County Circuit Court of the State of Oregon, probate number 22PB06206. All persons having claims against the estate are required to present the same with proper vouchers within four (4) months after the date of first publication to the undersigned or they may be barred. Additional information may be obtained from the court records, the undersigned or the attorney. Date first published: September 14, 2022
JAMES A. GOAD JR.
Personal Representative
c/o Steven D. Bryant
Attorney at Law
Bryant Emerson, LLP
PO Box 457
Redmond, OR 97756

WORSHIP DIRECTORY

Adventist	Roman Catholic
Seventh Day Adventist 945 W. Glacier Ave., Redmond, OR 541-923-0301 Sabbath School 9:30 am Worship 10:45 am	St Thomas Roman Catholic Church 1720 NW 19th Street Redmond, Oregon 97756 541-923-3390 Father Todd Unger, Pastor Mass Schedule: Weekdays 8:00 am Saturday Vigil 5:00 pm First Saturday 8:00 am (English) Sunday 8:00 am, 10:00 am (English) 12:00 noon (Spanish) Confessions on Wednesdays From 4:00 to 5:45 pm and on Saturdays From 3:00 to 4:30 pm
Baptist	
Highland Baptist Church 3100 SW Highland Ave., Redmond 541-548-4161 Lead Pastor: Lance Logue Sunday Worship Services: Blended - 8 & 9:30 AM Contemporary - 11 AM (Worship Center) hbc Español - 10:30 am (Youth Room) *9:30 AM & 11 AM live-stream at: www.hbcredmond.org How can hbc pray for you? prayer@hbcredmond.org	Advertise your worship listing today! New advertisers get 2 weeks free. Call 541-617-7823 to place your ad today!

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Puzzle Solutions

Guess Who?

Answer: Kelly Ripa

WORD SCRAMBLE

Answer: Spoons

SUDOKU

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WORD SEARCH

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CRYPTO FUN

Answers: A. cake B. fondant C. sift D. create