

Tips on what to do in face of drought

Drought hangs over gardeners and farmers in parts of the United States this summer. Large areas are reported much drier than last year, even though spring rains brought relief to some sections of the West.

Wilson Sealing, chief of the U.S. Department of Agriculture's Soil Conservation Service, said that "parts of Montana, California, Oregon, Idaho and Washington were very dry."

"It's going to take a lot more than just one good month of precipitation to ease the drought in those areas," Sealing said.

Donald Wilhite of the University of Nebraska Center for Agriculture, Meteorology and Climatology, recently described drought as "a creeping phenomenon" sometimes "taking months or even years to develop."

WHAT CAN YOU do in the face of drought? Check for auxiliary irrigation sources. If possible, utilize drip irrigation for individual plants instead of general sprinkling. Stop faucet leaks, cut down on lawn watering, toilet flushing and the volume of shower spray.

Revive the rain barrel collection system and conserve household, bath and laundry water. Clean rashes and cooking water may be used in the garden and on trees, window boxes and indoor plants.

Drought-tolerant plants are available including beets, turnips, carrots, radishes, onions, beans, peas, collards and sweet potatoes. Corn, melons and tomatoes need lots of water for their smaller return.

MULCH YOUR garden with moisture-retaining organic material. The more organic matter you add to condition soil, especially in sandy soil, the more drought-resistant it will be because it will increase soil water-holding capacity.

Such materials include peat moss, leaves, straw, vermiculite and old manure. These materials act like sponges, absorbing water. Clay soils retain more water than sandy soils.

Make trenches or furrows near

garden rows and flood them with water that penetrates into the root zones. Use hoses with tiny drip holes to help water sink deep and to reduce overhead sprinkling evaporation.

LARGE GARDENS need more water, so use a smaller, more intensive plot. Use wide rows. Cut down on walkways.

Staking and pruning tomatoes increases sunscald potential and requires more water. If you use raised beds, recommended for soggy garden lands, add moisture-retaining material and mulch walkways heavily.

Unless you have ample water to irrigate between beds, it might be a good idea to grow on flat land or in the furrows. Trellising, while a space saver, encourages plant water loss (transpiration).

Instead of conventional single rows, grow in wide rows, which produce more crops and reduce watering. Plants grow closely form a screen of vegetation that shades the soil.

Reduced sunshine on plants and soil reduces transpiration, so grow in partial shade, a help in drought. Interplant vegetables with perennial shrubs and flowers around the house to save space and for shade.

Before midsummer sun dries soil, apply a mulch of 3 to 6 inches of organic materials when plants are young. Heavily mulch as it packs down. Mulching also cuts down on weeding between rows as well as around plants.

YOUR YARD, lawn, shrubs and trees are valuable assets. Irrigate when there is the best condition of little wind, low temperature and high humidity. This happens most often just before dawn.

If you have an automatic underground irrigation system, you won't lose sleep, and you'll be using water during the "off peak" period.

Mow less frequently and don't cut lawn grass as short.

exhibitions

● **ROBERT L. KIDD GALLERY**
Thursday, July 14 — New paintings by James Yohe and Richard Fluhr are on display through Aug. 13. Yohe is from New York and Fluhr is from Texas. Reception 7-9 p.m. today. Hours are 10:30 a.m. to 5:30 p.m. Tuesday-Saturday, 107 Townsend, Birmingham.

● **BIRMINGHAM BLOOMFIELD ART ASSOCIATION**
Thursday, July 14 — "Expansions," an exhibit of paintings, is in the expanded rental and sales gallery through Aug. 19. Also included and also for sale are pottery, glass and jewelry. The Sculptors Guild of Michigan has a variety of work on display in the main gallery — bronzes, casting, welded steel, wood and terra cotta. Open house, sponsored by the Sculptors Guild, 6-8 p.m. Friday. Hours are 9:30 a.m. to 4:30 p.m. weekdays, 1518 S. Cranbrook, Birmingham.

● **BIRMINGHAM CAMERA**
Saturday, July 16 — Photographs by award-winning photojournalist Tony Spina will be on display at two locations through July. Spina's new book will also be available. He will be at the Birmingham store Saturday morning and at the Rochester store in the afternoon, 168 S. Woodward, Birmingham and 301 S. Livernols, Rochester.

● **MICHIGAN GALLERY '88**
Saturday, July 16 — New exhibitions open simultaneously — Damon J. Bartley's photographic record of the conflict between the Arabs and the Jews on the West Bank and Gaza Strip; photographs, "Vespertine," by Glenn Schoenbeck of Michigan artists and other works; contemporary furniture by Jose Reguero, Jr. recent sculptures by David Kozlowski; and "Dog Works," photographs by Marilyn Zimmerman and Keith Piaszczy. Reception 7-10 p.m. Saturday. Continues through July. Hours are 11 a.m. to 5 p.m. Tuesday-Saturday, until 8 p.m. Friday, 2661 Michigan Ave., Detroit.

● **HILL GALLERY**
Tuesday, July 19 — Sculpture and

drawings by Carol Hepper continue through Aug. 13, 165 Townsend, Birmingham.

● **GALLERIE 454**
Thursday, July 21 — "The Colors of Peter Marx" continues through Aug. 20. Reception 6-9 p.m. Thursday, RSVP, 15105 Kercheval, Grosse Pointe Park.

● **SWORDS INTO PLOWSHARES PEACE CENTER AND GALLERY**
Peace art of all kinds from private collections continues on display through Sept. 1. Hours are 11 a.m. to 3 p.m. Tuesday, Thursday and Saturday, 45 E. Adams on Grand Circus Park near the Whitney Building People Mover Station.

● **SOMERSET MALL**
Thursday, July 21 — Large color photographs by Dr. Norman Weiss, "Children of the World," were taken in Morocco, Japan, Thailand, Israel, Holland, Italy, New Guinea, China, Kenya, Mexico, Yugoslavia and Greece. Continues through July. Open during regular mall hours, Big Beaver and Coolidge, Troy.

● **OAKLAND COUNTY GALLERY**
Works by the members of the Guilded Needle Chapter of the Embroiders' Guild of America under the theme "The Eye and the Needle" are on display in the gallery and the Courthouse lobbies through Aug. 1. Open free of charge during regular business hours. The gallery is in the Executive Office Building on the County complex, 1200 N. Telegraph, Pontiac.

● **ARIANA GALLERY**
Collectible clocks created from ceramics, wood and found materials are on display through July. Hours are 10 a.m. to 5 p.m. Monday-Saturday, until 9 p.m. Thursday, 388 E. Maple, Birmingham.

● **CANTOR/LEMBERG GALLERY**
Works by Harold Allen, Todd Erickson, Clifford Myers and Bernar

Venet are on display along with Frank Stella's series "From Mobo Dick." These are six hand-colored, collaged images with lithographic, silkscreen and linocut relief printings, each an edition of 60. Hours are 11 a.m. to 5:30 p.m. Tuesday-Saturday, 538 N. Woodward, Birmingham.

● **D & J BITTNER GALLERY LTD.**
In addition to antique Chinese furniture, the gallery collection includes ceramics, sculpture, prints and paintings. Hours are 11 a.m. to 5:30 p.m. Tuesday-Saturday, 535 N. Woodward, Birmingham.

● **TOWN CENTER GALLERY**
Limited editions by Southwestern artist R.C. Gorman and new works by gallery regulars Rizzi, Cezj and Fekete. Hours are noon to 5 p.m. Monday and 11 a.m. to 5 p.m. Tuesday-Friday, 3000 Town Center, Suite 45, Southfield.

● **LA MINOTAURE**
Changing exhibits by gallery artists during the summer — Dubuffet, Lindstrom, Matta, Vasarely, Assa-dour, Leiza, Lacoste, Pausse and others. Hours are 10 a.m. to 4 p.m. Wednesday, Friday, Saturday, 11 a.m. to 7 p.m. Thursday, 115 East Ann, Ann Arbor.

● **SUSANNE HILBERRY GALLERY**
Paintings and watercolors by Sybil Oshtinsky of Birmingham. Contin-

ues through July. Hours are 11 a.m. to 5 p.m. Tuesday-Saturday, 555 S. Woodward, Birmingham.

● **FEIGENSON/PRESTON GALLERY**
New sculpture by Tom Bills, former Detroit artist now living in New York, is the first show by this gallery in its new location. Mary Preston is carrying on a fine tradition begun with the late Jacqueline Feigenson. Continues through July. Hours are 11 a.m. to 5 p.m. Tuesday-Saturday, 798 N. Woodward, Birmingham.

● **HALSTED GALLERY**
"Small and Intimate but Beautiful Images" from the Currier Collection will be on exhibit through July. It contains more than 300 carte de visites and cabinet cards 1850-1890. Open by appointment, 644-8284, 560 N. Woodward, Birmingham.

● **DETROIT INSTITUTE OF ARTS**
"In/On/Of Paper," third exhibit in the Ongoing Michigan Artists Program, OMAP, continues through Sept. 4. Among the 10 outstanding artists are Jean Hellbrun of Farmington Hills and Nancy Thayer of Lathrup Village. Hours are 9:30 a.m. to 5:30 p.m. Tuesday-Sunday. The OMAP gallery is near the Farnsworth entrance, 5200 Woodward, Detroit.

Liga Karels exhibit opens

Art work by deposed Latvian artist Liga Karels will be on exhibit for three weeks at Sunshine Picture Framing Gallery in Livonia. A reception Friday night 7-10 p.m. honoring the artist is open to the public.

Karels' feral scenes, for which she is noted, are characterized by studied brush strokes, soft colors and impressionistic washes. Anticipation colors the canvas inviting the viewer to come a little closer, explore a little longer. These natural settings show beauty and depth, but they also cloak mystery.

That's what some reviewers have said about Karels, who arrived in the United States from her native Latvia. Bittersweet memories from the land her family fled after the Russian occupation now emerge as the pine and birch forest frequently seen in her work.

She and her husband now live on a quiet lake in southern Indiana where they enjoy the moods and colors of their environment. A painter by avocation, Karels is using her retirement to paint more frequently.

The Sunshine Picture Framing Gallery is at 3729 Six Mile, in Newburgh Plaza Minnimal.



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FARMINGTON HILLS Custom built Colonial by James Campo features quality throughout with large kitchen and breakfast nook, formal dining, library, 4 bedrooms, 2 1/2 baths, fireplace, generous closet space, 1st floor laundry, central air, and pool. Exceptionally maintained. \$238,900 478-5000 7-B-1029



SOUTHFIELD Contemporary Condo is spectacular with custom decorating, bookcases and wet unit, great room, formal dining, fireplace, 1st floor laundry, rec room, central air, patio and 2 car garage. 2 bedrooms, 2 1/2 baths plus most furnishings and appliances. \$210,000 826-9100 2-A-1199



Situated on beautifully treed lot, this **FARMINGTON HILLS** Tri-Level features a multitude of updates, neutral decor, remodeled kitchen, 4 bedrooms, 3 full baths, formal dining, family room with fireplace, patio, porch and finished walk-out. Excellent neighborhood. \$199,900 478-5000 7-B-1159



FARMINGTON HILLS Contemporary is updated and spacious with 5 bedrooms, 2 1/2 baths, including large master suite with dressing area and sauna, formal dining room, den, fireplace, neutral decor and private yard. \$159,900 851-8100 6-B-1170



FARMINGTON HILLS Cape Cod offers 3 bedrooms, 2 1/2 baths, neutral decor, double pane wood windows, great room, formal dining, fireplace, 1st floor laundry, central air, deck and sprinkler system. \$188,500 478-5000 7-B-1098



SOUTHFIELD Ranch nestled in treed setting offers quality throughout with neutral decor, 4 bedrooms, family room with fireplace, finished walk-out basement with wet bar, patio and porch. Heated gunite pool adds to this professionally landscaped home backing to delightful nature preserve. \$189,900 478-5000 7-A-0928



Sharp 4 bedroom Colonial in **FARMINGTON HILLS** is situated on treed lot and offers library, family room, fireplace, 1st floor laundry, central air, screened porch and deck. \$182,900 826-9100 2-B-1197



FARMINGTON HILLS Contemporary is updated and spacious with 5 bedrooms, 2 1/2 baths, including large master suite with dressing area and sauna, formal dining room, den, fireplace, neutral decor and private yard. \$159,900 851-8100 6-B-1170



FARMINGTON HILLS Ranch offers large country kitchen, family room with fireplace, hardwood floors, 4 bedrooms, 2 1/2 baths, 1st floor laundry, central air, patio and 2 car garage. Nicely landscaped lot and convenient location. \$144,900 826-9100 2-B-1196



Immaculate and open floor plan adds to this **FARMINGTON HILLS** Ranch with country kitchen, family room with fireplace, finished walk-out basement with wet bar, patio and porch. Heated gunite pool adds to this professionally landscaped home backing to delightful nature preserve. \$189,900 478-5000 7-A-0928



SOUTHFIELD Contemporary is situated in lovely treed yard and offers new carpeting, family room, fireplace, wet bar, rec room, formal dining, 4 bedrooms, 2 1/2 baths, central air, patio and wonderful decking. \$119,500 851-8100 6-B-1200



SOUTHFIELD Neutral decor and move-in condition highlights this 3 bedroom Townhouse with 2 1/2 baths, bay window, formal dining, fireplace, patio and two car garage. Clubhouse and pool privileges. \$81,900 478-5000 7-B-0998



Enjoy the largest unit in the complex Updates, decorator blinds, living room, formal dining, 2 bedrooms, 2 baths, central air, porch and all appliances. Pool privileges and private entrance. \$84,900 826-9100 2-A-1240



FARMINGTON HILLS Townhouse features neutral decor, 1 bedroom, 1 bath, living room, formal dining, central air, deck, pool and tennis privileges. Good condition plus convenient location, close to shopping and expressways. \$53,500 851-8100 6-B-1258



FARMINGTON HILLS Affordable 2 bedroom Condo with great possibilities offers living room, 1 bath and pool privileges. **FARMINGTON HILLS** schools. \$49,900 826-9100 2-B-1187



Sharp 4 bedroom Colonial in **FRANKLIN** features large 8-door pool, remodeled kitchen, 4 bedrooms, 4 1/2 baths, family room, formal dining, 2 fireplaces, patio, central air and 1st floor laundry. Quality throughout this beautiful home. \$519,000 826-9100 2-B-0943

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