

Steve M. Lucero, County
Program Director
Lynda Garvin
Agriculture/Horticulture Agent

New Mexico State University
Cooperative Extension Service
U.S. Department of Agriculture

JAN, 2017

www.sandovalmastergardeners.org

Sandoval County Master Gardener Newsletter



January | President's Corner

I hope you all had a wonderful end to 2016. My four children were in town in December and I love spending time with them. For me it was a time of peace, joy, happiness and gratitude.

The Intern Class of 2017 starts with orientation on the first Tuesday of January from 1:00 to 5:00. The education will be outstanding. If you are a Master Gardener, please join the interns any Tuesday to refresh your education, learn a new thing or two, and socialize with others who love to garden. The Sabana Grande Community Center (near 528 and Southern) is a great space with lots of room for everyone to attend. Help us build the community of Master Gardeners.

For the next 4 months, the Board Meeting will be held from 10:30 to 11:45 at the Sabana Grande Community Center on the 3rd Tuesday of each month. I hope you know you are welcome to attend and contribute to the administrative part of this organization.

Last year we established a Liaison Position (someone who keeps the Board informed of changes, additions and activities) for various groupings of projects. Gardens, Outreach, Events, Kid Projects, and Administration which includes Membership. If you have an interest in helping us serve the many (over 45) projects that we have a hand in, please let me know. I'd love to meet with you over a cup of tea and see where your skills and interests could be contributed.

I'm looking forward to an awesome 2017.

Thank you,
Barbara Dawson
SCMG Board President 2015-2017
505-897-3773

Lynda's Corner

Welcome 2017.

I am happy to see you. Each year holds so much potential. Learning from the past year, letting go of those behaviors, attitudes, and things that no longer benefit me.

Looking to each new day with hope and anticipation, allowing it to unfurl. It all sounds good.

My New Year's resolution has been the same for the past 9 years: "Embrace life, shed fear." I realize that this is a process and not a one off event. Each year I get better at saying yes to the opportunities life offers, and not getting bogged down in the "shoulds" or "what ifs."

What does that mean for me and work?

I'll be offering more opportunities, classes, field trips, workshops on urban permaculture/sustainable gardening. Although I'm far from an expert, this is one thing I learned from teaching classes last year: teaching is a participatory process. The attendees are teachers as well as students; I as a teacher am also a student. We all learn from each other. It isn't about me, it's about getting information out there and networking with others who are interested and/or practicing what I'm passionate about. Are you in?

Let this be the year you go beyond your comfort zone and do something that challenges your mind, body, and spirit. Say yes – teach a class or collaborate with someone to co-teach a class, join the board, become a co-chair of a Master Gardener project, suggest a field trip and better yet lead a field trip, develop a new project that tugs at your head and heart.

We are in this together – learning, growing, serving. It's never too late to say yes to life.

Lynda Garvin,
Agriculture/Horticulture Agent



Photo Credit: Cindy Blue Horse

Welcome 2017 SCMG Intern Class!



Sandoval County Extension
P.O. Box 400
Bernalillo, NM 87004
Ph: 505-867-2582
Email: sandoval@nmsu.edu
www.sandovalmastergardeners.org



SCMG Newsletter Submissions
Deadline: 21st of each month
Please submit news, articles, events
and photographs to: scmgnewsletter@gmail.com
Editor: **Jannetta Lamourt-Dodson**

learning opportunities



Dr. Linda Chalker-Scott
Killing with Kindness:

How We Enable Trees to their Ultimate Demise

Urban trees can be chronically stressed by many environmental variables including heat, drought, and chemical contamination. However, the most significant stress – and the most avoidable – comes from improper installation and management techniques. This seminar will discuss how improper planting techniques and aftercare practices can begin the “mortality spiral” leading to the early death of urban trees. An alternative set of suggested best practices will be presented based on recent and on-going research.

January 21, 2017 9:00-12:00
Albuquerque Garden Center

FREE for Community Volunteers
RSVP at: <http://rsvp.nmsu.edu/rsvp/kindkill>

Sandoval County Seed Library

sandovalcountyseedlibrary.org

Seed Starting and Seed Saving Workshops **Saturday, January 14, 2017 10:00am - 2:00pm**

The Seed Starting workshop, with Judy Jacobs, Sandoval County Master Gardener Life Member, starts at 10:00am. The Seed Saving workshop follows at 12:00pm with Lynda Garvin, Sandoval County Extension Service Agriculture/Horticulture Agent.

The Sandoval County Seed Library teaches seed starting and seed saving to ensure a successful, regionally-adapted, and genetically diverse seed collection that is self-sustaining.

Esther Bone Memorial Library

950 Pinetree Rd., SE

Rio Rancho, New Mexico 87124 | 505-891-5012



Volunteers Training-Applications being accepted for 2017 training. Complete information posted here:

[NMSU: Bernalillo County Master Composters: Spring 2017 Master Composter Training](#)

POLLINATOR HABITAT DESIGN WORKSHOP **ATTRACT POLLINATORS TO YOUR YARD**

*** LEARN FROM THE EXPERTS ***



- Design Tips & Techniques
- Using Native Plants
- Butterfly Gardens
- Bee and Pollinator Gardens

•When: Feb. 10 (6-9pm); Feb. 11 (9-4 pm); Workshop – \$55 (includes lunch)
•Feb. 18 (9-Noon); Design Lab – One-on-one with expert designers – \$40
•Where: Univ. New Mexico Continuing Education Conference Center
•Info / Registration: www.NPSNM.org Questions: 505-352-9019



The Southwest's Premier Conference for Organic Agriculture

The goal of the Conference is to provide a place to bring organic growers in the region together to explore and learn the unique aspects of the Southwest.

The Conference also serves to reduce isolation by providing a forum for organic farmers to share innovative ideas and best practices. The Conference offers a vast array of workshops covering many topics and makes available exhibition space for a wide range of products and services.

Feb 17 & 18 at the Marriott Pyramid Hotel.

[CLICK HERE for registration link.](#)

Urban Horticulture



Free Classes Open to the Public
Sponsored by the Sandoval County Master Gardeners

Second Wednesday of the Month 1pm

Sandoval County Extension Office
811 Camino Del Pueblo
Bernalillo

For more information visit sandovalmastergardeners.org/gardening-classes

Upcoming Classes

- Feb 8 Home Composting Basics & Composting with Worms with John Zarola
- Mar 8 Cacti & Succulents of the SW with Richard Reif
- April 12 Rare and Endangered Plants with Sharon Walsh
- May 10 Creating Resilient Garden Systems II with Tiana Baca, Garden Manager, Desert Oasis Teaching Garden
- June 14 Climate Extremes & Ways to Buffer it with Judith Phillips



New Mexico State University is an equal opportunity/affirmative action employer and educator.

NMSU and the U.S. Department of Agriculture cooperating.

If you are an individual with a disability who is in need of an auxiliary aid or service to participate in classes, please call (505) 867-2582.

Did you know?

Gardening Indoors

Makes people happier and healthier?

The Journal of Health Psychology found that gardening leads to decreased cortisol levels and an increase in positive moods which can "promote relief from acute stress."



Improves air quality?

The World Health Organization states that, "...there is probably more damage to human health from indoor pollution than from outdoor pollution." During the colder months in New Mexico, our tightly sealed doors and windows are not giving the air we breathe a chance to refresh and circulate. Indoor plants greatly help filter the air we breathe.

6 Air Purifying Indoor Plants



Bamboo Palm
Removes formaldehyde, Acts as a natural humidifier.



Sansevieria
It absorbs nitrogen oxides and formaldehyde. Creates nighttime oxygen.



Areca Palm
One of the best air purifying plants for general air cleanliness. Creates daytime oxygen.



Spathiphyllum
Remove mold spores, formaldehyde, and trichloroethylene.



Spider Plant
Removes carbon monoxide and other toxins or impurities, one of three plants NASA deems best at removing formaldehyde from the air.



Golden Pothos
Most effective indoor Purifier. Removes Formaldehyde, xylene, toluene, benzene, Carbon monoxide and more.

Daytime at Meadowlark- Lectures

Improving Desert Garden Soil

9 Jan. 2017 1:30PM - 2:30PM

Free. Open to seniors. Walk-ins welcome.

Meadowlark Senior Center, 4330 Meadowlark Lane, SE, Rio Rancho "Amending garden soil is a continuous process for the high desert gardener. Straight forward take-home methods for improving soil fertility and resiliency will be presented."

Bokashi Bucket Composting

28 Feb. 2017 1:30 - 2:30 PM

Free. Open to seniors. Walk-ins welcome

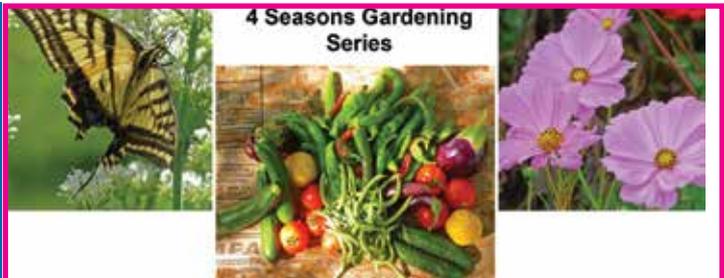
"The Bokashi composting method may be done indoors during Winter. Particularly useful for those living in small spaces, eg. apartments. The science and methodology will appeal to those who prefer an easy home composting technique in any season."

Composting with Worms

9 March 2017 1:30 - 2:30 PM

Free. Open to seniors. Walk-ins welcome.

"Worm composting may be done indoors or outdoors, year round. Particularly useful for those living in small spaces, eg. apartments. Specifics and guidelines will assist in the set up and management of this useful technique."



4 Seasons Gardening Series

Free classes open to the public
Sponsored by the Sandoval County Master Gardeners

Third Tuesday of each Month at 7:00pm

Sabana Grande Recreation Center
4110 Sabana Grande Ave SE
Rio Rancho

For more information visit sandovalmastergardeners.org/gardening-classes

Upcoming Classes

- Jan 17 Seed Starting with Lynda Garvin
- Feb 21 Planning Your Vegetable Garden with Loren Meinz
- Mar 21 The Challenge of Growing Tomatoes with Sam Thompson
- Apr 18 Raised Bed Gardening with John Zarola
- May 16 Chickens 101 with Gary Sims

New Mexico State University is an equal opportunity/affirmative action employer and educator. NMSU and U.S. Department of Agriculture cooperating.



If you are an individual in need of an auxiliary aid or service to participate in classes, please call (505) 867-2582.

A BOOK REVIEW

By Marion Matthews

Some folks just love girls who lay eggs. One of them is Alice Walker, Pulitzer-prize winning author of *The Color Purple*. Ms. Walker has written a quirky and short (186-page) love story called *The Chicken Chronicles – Sitting with the Angels Who Have Returned with My Memories: Glorious, Rufus, Gertrude Stein, Splendor, Hortensia, Agnes of God, the Gladyses, & Babe: a Memoir*.

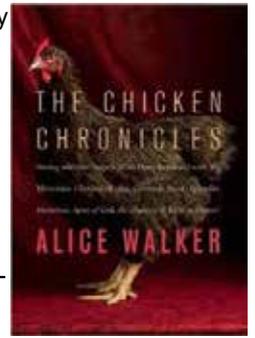
Yes, this is a love story between Ms. Walker and the laying hens she added to her garden and backyard. The main characters have distinct and well-developed personalities. Even without the presence of a rooster (though we're never totally sure about Rufus' gender) there is conflict among the flock, aka developing the pecking order. There is suspense as predators lurk. Unfortunate accidents occur. And a developing sense of connection between hen and keeper.

An organization in Albuquerque sponsored a tour of backyard chicken growers in the city a few years ago where I saw some incredibly clever coops on tiny lots. Since 2010, Albuquerque has allowed up to 15 chickens (including roosters) in the backyards of

residents. In May 2016 the Rio Rancho city council approved an ordinance that allows up to seven hens or immature roosters (goats too) in lots of at least a half-acre in both estate residential and single-family residential zones. You might say that Rio Rancho isn't really egging on backyard chicken-raising in the city.

That may be unfortunate because many, including Ms. Walker, find great joy in raising and caring for their girls. Ms. Walker does have moments of eccentricity and if you're one of those people who don't like being introduced to your neighbor's cat as Auntie Linda, you may find the book a bit over the top. Ms. Walker refers to herself as Mommy throughout and at some point a Daddee suddenly shows up. But there is a sweetness to the book and the interconnection between human and hen that I found much more touching than cat videos.

And once you've read it, you find yourself lying awake at night thinking about names for your hens...Gloria Steinem, Georgia on My Mind, Anne of a Thousand Days....



JANUARY

- 3 Rio Rancho Tree Stewards: Steering Committee Meeting 4pm
Gardening with the Masters 7pm
- 4 DeLavy House Garden Work Session 9am
- 9 Improving Desert Garden Soil -Meadowlark Senior Center 1:30pm-2:30pm
- 14 Seed Save & Start Workshops 10am
- 17 SCMG Board of Directors Meeting 10:30am
4 Seasons Gardening Series 7pm
- 21 SCMG Newsletter Articles Due by 6 pm
- 28 Down & Dirty: Composting Wrkshp 10am

important dates

For a full explanation of the what, when and who on these Calendar items, please visit our website

SCMG
2017 Master Gardener Class
1pm- Every Tuesday at the
Grande Sabana Community

FEBRUARY

- 1 DeLavy House Garden Work Session 9 am
- 7 Rio Rancho Tree Stewards: Steering Committee Meeting 4 pm
Gardening with the Masters 7pm
- 8 Urban Horticulture
- 11 Seed Save & Start Workshops 10am
- 21 SCMG Board of Directors Meeting 10:30 am
4 Seasons Gardening Series 7pm
SCMG Newsletter Articles Due by 6 pm
- 28 Bokashi Bucket Composting 1:30pm

Tree Care

by David Pojmann

There are major differences between country trees and urban trees. Country trees grew up in a favorable environment, along with others of their species, and adjusted slowly over the years to the soil conditions, water availability and micro climates. They may have competed and won over other species of trees and other plants as well. Urban trees generally grew up in a nursery where their environment was closely regulated with the goal of fast growth over durability, and their roots were in a container that allowed little expansion. When a tree is planted in an urban environment it has to contend with many factors not present in a forest, so it is very important to select the right tree for the conditions on your property, such as soil type, pH, soil compaction, and distance to structures. Roots need oxygen as well as water to do their job. Depriving them of either will result in a stunted, weak tree.

You can cut and paste the link below to take you to a USDA analysis of Sandoval County soils. You can use the map there to find the soil types in your area; however if you live in a development, there is a chance that the soils may have been

imported from other regions of the county. An analysis of the soil in your own yard is the best way to avoid planting trees that are not suited to the specific environment. It is better to match a tree with the pH of the existing soil, than to try to modify the pH to suit a particular type of tree. https://www.nrcs.usda.gov/Internet/FSE_MANUSCRIPTS/new_mexico/NM656/0/Sandoval%20NM.pdf

Amending the soil around the tree was often recommended in the past when planting a tree, but most arborists today say to dig a hole two to three times the diameter of the container or root ball, then open up the roots of the tree to reduce the chances of their eventually strangling the tree. Put the soil that was removed back around the tree. The topmost root of the tree should be at or up to two inches above the native soil line. Water frequently during the first few months to ensure that the soil remains moist, but not wet.

Mulching trees in New Mexico is essential to their growth and health. Remember that a tree in a forest grows up with natural mulch that has accumulated over many years from leaves, bark, etc. Your tree deserves your best effort to duplicate those conditions. Mulch helps to retain soil moisture and controls weeds around the tree's

roots. It also protects the trunk from damage from mowing equipment if the tree is in turf. Mulch also helps to prevent soil compaction over the roots, and it will improve the soil over time as it rots, and it also will protect the soil from erosion by rain water, especially on slopes. As a tree grows, add more mulch, keeping the area inside the drip line of the tree covered. Two inches of mulch is the minimum to use. Four inches is better. Mulch may be bark, nut shells, straw, shredded trees, or gravel. Organic mulch works best, but appearance is also important in a landscape. Avoid using shredded tires. Keep the mulch a few inches from the trunk of the tree.

When trees are established, they still need water, pruning, pest control and general maintenance. Keep in mind that roots grow throughout the year, so it is important to water them at least monthly after the leaves have fallen, then more frequently when they start to green up. The water needs to go to a foot deep. Water at the drip line, not the trunk for stronger roots. The result will be earlier greening and more lush foliage in the summer months. *Enjoy the shade.*



volunteer opportunities

Placitas Elementary School Garden Club Leader

We have 13 third, fourth, and fifth grade students who maintain a garden within the school grounds with a greenhouse. Where: Placitas Elementary School When: Every Wednesday from 2:30 to 4:00 pm during the school year Please contact Ginger Golden 463-5264 or email gingergolden@msn.com

Chairperson for Gardening with Masters lecture series [Click here to Volunteer TODAY!](#)

Intern Mentors Needed:

Let's Make 2017 a Great Year!

We are excited about our new Sandoval County Master Gardener Intern Class of 2017. Each year we have an opportunity to welcome new applicants and ensure their successful integration into our organization as community volunteers.

[Click here to volunteer to become an intern mentor.](#)

Volunteer Judges Needed:

Rio Rancho Public Schools Research EXPO

Where: Rio Rancho High School When: January 19, 2017
Time: 8:00 am to Noon (Breakfast and lunch provided). For more information, or to sign up, contact Pat Barger, Project Chair patriciabarger@cableone.net or 505-892-3076(H) or 505-803-5404 (C).

The SCMG Board would like to invite members to serve the SCMG organization.

These are volunteer/appointed positions.

Annual Meeting Chair:

This meeting occurs annually at the end of SCMG's fiscal year, sometime in October. The Chairperson is responsible for organizing this meeting in conjunction with the Coordinator, the Agriculture Agent, and Membership. Final voting and initiation of new Board members take place during this meeting.

Intern Graduation Ceremony:

This event occurs at the end of the Intern Training. The chairperson is responsible for organizing this important and fun event in conjunction with Coordinator, the Education Committee Chair, and the Agriculture Agent, including location, logistics, refreshments, room set up, and agenda. Please contact the Education Committee Chair, Sam Thompson.

Registration:

While Marianne O'Sullivan has graciously volunteered to be the Chair for this position, she can always use a few responsible people to help at various venues for

registering participants in SCMG classes, including Intern Training, Continuing Ed and any other SCMG sponsored classes. Please contact Marianne if you are interested in being a part of this important team.

Fund Raising:

The chairperson is responsible for specific fundraising projects that are subject to approval by the Board of Directors. May include – but not limited to - overseeing the purchasing of SCMG logo clothing and items, plant sales, etc. What could be fun than buying and selling stuff?

Librarian:

The Library Chair shall be responsible for the organization and upkeep of the Extension Office Casita Library reference books, NMSU horticultural circulars, and any other pertinent periodicals. Since the Extension office was flooded out during a storm recently, they could really use some help with this one!

Placitas: Community-based Project Leader and Team Members!

The Placitas Community Library (PCL) is looking for a leader or co-leaders to head up its Landscape Team We are also looking for more team members. The landscape and gardens of the library are the result of local muscle, generous donations and grants to PCL. The gardens are comprised of native and xeric perennials, shrubs and trees, and a drip system and were featured on the Placitas Garden Tour this year. PCL's gardens also contain a community-designed and built, walking labyrinth, educational signs listing the names of plants, a 1000+ gallon cistern, bluebird houses, and a solar-powered water feature that keeps our "Designated Wildlife Habitat" status intact. Families are routinely spotted walking the gardens with their children eagerly leading the pack. It's truly a community-powered project and is Master Gardener sanctioned. If you are interested contact Suzanne Maxwell, Suzanne@aboutchanging.com or 505-867-3942.

Communication and Publicity Committee

The Communication and Publicity Committee has a lot on its plate this coming year and we could use some help!! Those of you with writing, Facebook, photography, web development or other social media skills are really needed to help us with our communications and the outreach which is our mission as Master Gardeners. Please contact Janet Blair at jkblair@swcp.com or 505-259-0203. Thanks!!!

Outreach/Hotline:

The chairperson for Hotline shall work with the Extension Agent to organize and coordinate Hotline activities, including scheduling phone volunteers, outreach clinics, and other special outreach events. Remember, all members need to have at least 10 hours of Outreach service in order to maintain their membership – so this is easy-peasy to get volunteers!

Refreshments:

This chairperson is responsible for refreshments served at SCMG training and events, such as the Intern Graduation Ceremony and any other special SCMG training classes and/or events, such as HomeScapes Solutions. Yay! Yummy food for all!

[CONTACT VIA EMAIL TO VOLUNTEER TODAY!](#)



Membership dues for 2017 are due now.

You may mail your check made out to SCMG to Johanna Johnson for \$15. A new feature this year also allows members to conveniently pay their dues on the SCMG Website via PayPal; there is a small fee of \$.75 for this service. **The link to pay dues via PayPal is on the first page of the [SCMG Website](#) in the top right corner or [CLICK HERE](#). The address to mail your check is: 48 Camino de los Desmontes; Placitas, NM 87043 johannaj@comcast.net** NOTE: Those who have not paid dues for 2017 have been moved to inactive status. You will be reactivated when dues are paid.

Remember...those on **Leave of Absence** also pay annual dues of \$15.

MEMBER
DUES

Winter Garden Chores

By Dudley Vines

Winter is a slow time for gardeners. Many folks enjoy looking through nursery catalogs and planning next year's garden. Winter is also a good time to clean, sharpen, oil, and otherwise maintain your garden tools. And hopefully, you're enjoying some of your produce from last year, if you canned or froze it. Did you know that the Extension Service offers free classes and facilities for canning? Educational bulletins are available on the [NMSU ACES website](#) and here's the [canning center website](#).

What else might gardeners do in the winter? **Here are some suggestions:**

1. Cleanup and dispose of leaves. There may be some perennials that you want to leave some leaves piled around for winter protection, but if leaves are blown up in piles against your fence, why wait till spring to start cleaning up? Your yard will look better, and you'll have less work in the spring. Maybe you prefer to rake leaves several times during the Fall so your yard always looks great. Myself, I like to let them all fall and dry up, and then I clean up everything at once on a sunny day in December.

If you don't compost at home, disposing of leaves and garden waste can be a bit of a problem, so fill your trash bin once a week and let them haul it away for you.

If you have a pickup truck, you can haul your debris to the county landfill (the green waste fee is very modest) but those of us without trucks can let the trash man take it. I don't fool around with plastic bags; wait until the leaves are really dry and crispy so you can crush them down in your trash bin. You might have to spread your leaf cleanup over a few weeks if your trash bin can't hold it all at once. But, hey – who's in a rush?

2. Prune trees. January is a wonderful time to prune trees. And you learned how to prune in SCMG class. The trees are dormant, and you've got the time, so get 'er done. In this case once again, your trash bin can serve you well in disposing of the waste.

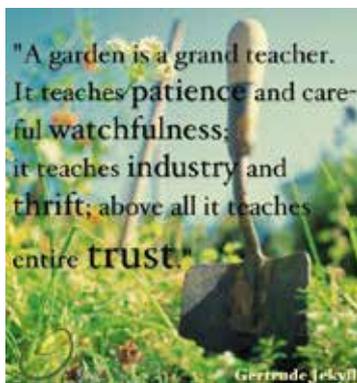
Actually, it would be great if you started composting at home. The [Sandoval County Master Composters](#) conduct classes all the time, and compost is a valuable commodity in the garden. If you're not into composting, and you have a truck (or a friend with a truck), I encourage you to haul garden waste to the Sandoval County landfill at 2700 Iris Road in Rio Rancho and toss it in the green waste pile, because there they compost on an industrial scale and sell the compost cheap. But if you don't, instead prune one or two trees a week and put the debris in the waste bin. I cut everything up into pieces small enough to fit in the bin using my pruning saw and pruning shears. It's a little work but I need

the exercise and fresh air. And spreading the work over a few weeks makes it easier.



3. Spray trees with dormant oil. You might do this in February before new growth starts. Dormant oil eliminates overwintering insects and insect eggs. No leaves or limbs to dispose of for this task. Be sure to read and follow all directions on the label. Some horticultural oils require temperatures to remain above freezing for 24 hours. Since you spray dormant oil with a hose-end sprayer, you need to pick a sunny day when the temperature is warm enough to unroll the hose and turn on the water (hopefully you drained your garden hose and coiled it up at the beginning of winter, and covered your outdoor faucets). Just connect the hose and spray the trees, and then drain the hose and cover the faucet again because, after all, it's not springtime yet. Your trees will thank you.

In March and April, garden cleanup starts in earnest and you'll be glad you got rid of the leaves and pruned your trees already, and you'll have room in the trash bin for the material you prune from your perennials. And think about learning to compost, because it is a noble undertaking.



Share Your Gardening Adventure!

Tell us your tips, tribulations and triumphs here. Share your excitement about gardening, or your worst problem and how you solved it, or a pest you battled and won.

Whether you've been around the block or just starting out, this is where you'll be inspired to try different techniques, test out growing methods, share your secrets and belong to a growing group of gardeners in Sandoval County.

What's your favorite organic gardening story? Do you have a memory of gardening Or a trick to keeping pests large and small away from your plants? Take pictures of your gardens, flowers, trees and more and share with us! If you feel that writing is not your fortay - just contact Jannetta (your newsletter editor) at scmgnewsletter@gmail.com and she will arrange an interview and write your story for you!

Southwest Plant of the Month

Desert Willow- *Chilopsis linearis*

This tree is called a "willow" because of how its leaves are shaped – however, it is a relative of the catalpa and can grow either into bushes or small trees. It is a deciduous tree with long narrow leaves from 6 to 12 inches long and the fruit of the tree look like long green "beans" which can grow to the length of the tree's leaves. This New Mexico native is a flowering tree and the bell-shaped flowers range in colors from white to deep pink and sometimes lavender and it is a popular tree for ornamental purpose and for erosion control. It easily propagates from seeds or cuttings and your hummingbirds will love its flowers! The Desert Willow grow quickly and love more water when they are young but are drought tolerant, needing very little watering in the winter and especially as an adult and need full sun to flourish.



Scientific name: *Chilopsis linearis*
Family: Bignoniaceae
Habit: Tree
Leaf Retention: Deciduous
Leaf Arrangement: Alternate, Opposite
Leaf Complexity: Simple
Leaf Shape: Lanceolate, Linear
Leaf Venation: Pinnate
Leaf Pubescence: Glabrous

Breeding System: Flowers Unisexual, Monoecious
Size: 15-40 feet
Leaf: Green
Flower: Flowers 1-1.5 inch flowers in 2-4 inch panicles
Fruit: Green to brown 4-12 inches
Size Class: 12-36 ft.
Pest resistance: free of serious pests and diseases