



The Baker Bulletin

A
Baker County
Extension
Service Monthly
Newsletter

INSIDE THIS ISSUE:

Horticulture	2
Agriculture	3
Calendar	4
Upcoming Events	5
4-H	6
Agriculture	7
Notices	8

Dear Extension Friends,

We at the Baker County Extension Service hope that you are having a great summer so far. Please take a look inside for information about what to plant during this season and information on live oak trees. Our 4-H page has updates on the summer camps that are in full swing this year. The agriculture page contains information on common summer weeds in pastures and forage areas and how to control them. Finally, please check out our upcoming events page for programs in Baker County and the surrounding areas. Thank you for your continued support of your local Extension Office. As always, if we can help you in any way, please do not hesitate to contact us.

Sincerely,

Michael A. Davis
Director / Agriculture Agent
UF/IFAS Extension Baker County

UF UNIVERSITY of
FLORIDA
IFAS Extension
Baker County Extension

Contact Information—Baker County Extension Service

1025 W. Macclenny Ave., Macclenny, FL 32063

Phone: (904) 259-3520, FAX: (904) 259-9034

Email: baker@ifas.ufl.edu Hours: M—F 8:30am to 5:00pm (Closed Noon to 1:00pm for Lunch)

Michael Davis, Ph.D.
michael.davis@ufl.edu
Agriculture Agent

Alicia Lamborn
alamborn@ufl.edu
Horticulture Agent

Shaina Spann
slbennett@ufl.edu
4-H Agent



Highlights in Horticulture

By:
Alicia Lamborn,
Horticulture Agent

WHAT TO PLANT IN NORTH FLORIDA



FLOWERS

Angelonia* Begonia, wax
Celosia* Coleus*
Crossandra Dusty Miller
Euphorbia 'Diamond Frost'
Impatiens Kalanchoe
Marigold* Melampodium
Moss Rose
New Guinea Impatiens
Ornamental Pepper
Pentas* Torenia
Tropical Sage Verbena
Vinca Zinnia*

*Annuals to use as cut flowers

Selected annuals with moderate to high salt tolerance: Dusty Miller, Kalanchoe, Moss Rose, Vinca, Wax Begonia, Zinnia

VEGETABLES

Beans, lima Eggplant
Jerusalem Artichoke
Peas, southern Peppers
Pumpkin (early July)

WATERING TIPS

Install a micro-irrigation system that uses water more efficiently by delivering small volumes of water directly to the root zone of plants through low-flow emitters, such as micro-spray jets, micro-bubblers, or drip tubes.

Disease problems may also be reduced when using drip tubes and drip emitters that keep irrigation water off of leaf surfaces.

Microirrigation kits are available for vegetable gardens and flower beds, plus they are easy to install and custom design to suit the layout of your garden.

Purchase a timer that hooks up to the spigot for help making sure you don't leave the water running longer than it needs to.

Species Spotlight: Live Oak Trees

A large, sprawling, picturesque tree, usually graced with Spanish moss and strongly reminiscent of the Old South. Live oak is one of the broadest spreading of the oaks, providing large areas of deep, inviting shade. Reaching 40 to 60 feet in height with a 60 to 120 foot spread and usually possessing many sinuously curved trunks and branches, live oak is an impressive sight for any large-scale landscape. An amazingly durable American native, it can measure its lifetime in centuries if properly located and cared for in the landscape. Give it plenty of room since the trunk can grow to more than six feet in diameter.

Live oaks thrive in full or partial sun and tolerate all soil types from occasionally wet to well-drained. Like other oaks, care must be taken to develop a strong branch structure early in the life of the tree. Be sure to eliminate multiple trunks and branches which form a narrow angle with the trunk as these are likely to split from the tree as it grows older. It is usually pest-free. Although insect galls commonly form on leaves and twigs, they are not a cause for concern.

Live oak cultivars are valued for their uniformity and limited variations in form and structure that are inherent in the southern live oak species.

'Cathedral Oak' - This cultivar has a pyramidal canopy when young that becomes broad to oval as it matures. The tree's mature height is 40 to 80 feet with a 60 to 120 foot spread.

'Highrise' - This cultivar has a uniform, upright pyramidal growth habit with a mature height of 30 to 40 feet and a spread of only 12 to 25 feet, making it perfect for smaller landscapes.

'Millennium Oak' - This cultivar has the traditional, picturesque growth of live oak but has a more uniform growth rate and habit. Expect a height and spread of 50 to 75 feet and 60 to 100 feet, respectively.



The reddish-orange new growth of the 'Highrise' Live Oak located in the Arboretum is quite attractive. Visitors are welcome to the Arboretum during business hours.

Adapted and excerpted from: Gilman, E. and Watson, D. (1993). *Quercus virginiana*: Southern Live Oak. University of Florida: <http://edis.ifas.ufl.edu/st564>



JULY 14TH, 2016

**18TH ANNUAL HAY
FIELD DAY @
SANTA FE RIVER
RANCH**

UF | **IFAS Extension**
UNIVERSITY of FLORIDA

Hosted by University
of Florida IFAS Ex-
tension – Northeast
Florida Livestock
Agents Group

Presentations &
Demonstrations from
UF IFAS Specialists &
Agents on: Hayfield
Weed Control, New
Bahiagrass Varieties,
Fertilization, and
Haylage

Where: Santa Fe Riv-
er Ranch 29220 NW
122 St., Alachua, FL
32615

Registration: \$10.00 in advance, \$15.00 day of event (lunch will be served by Florida Farm Credit). Registration begins at 8:30 a.m., Programs/ Exhibits at 9:00 a.m. and equipment Demos at 11:00 a.m.

To Register or for Additional Information: Contact David Nistler at Union County Extension@ 386-496-2321, or email to dnistler@ufl.edu

PESTICIDE & CERTIFIED CROP ADVISORS CEU's Available

July 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11 	12	13	14  	15	16
17	18 	19	20	21 	22	23
24	25 	26 	27	28	29 	30 
31						

Upcoming Programs are marked with a Program Area Symbol. Please match these symbols with the list on the following page for more information about the program.



4-H



Horticulture



Agriculture

Upcoming Programs & Events

Programs will be held at the Baker County Extension Office (Agricultural Center) unless otherwise noted.

- July 14** **18th Annual Hay Field Day**, Santa Fe River Ranch, 29220 NW 122 St., Alachua, FL 32615. The North Florida Livestock Agents Group will host its 18th Annual Hay Field Day on July 14th, 2016 at Santa Fe River Ranch. There will be presentations and demonstrations from UF/IFAS Specialists and Agents on: 1) Hayfield Weed Control, 2) New Bahiagrass Varieties, 3) Fertilization, and 4) Haylage. Registration is \$10 per person in advance and \$15.00 the day of the event. Registration begins at 8:30am with the program beginning at 9:00am. To register or for additional information, please contact David Nistler, Union County CED, at 386-496-2321 or dnistler@ufl.edu. Please also refer to the flyer on page 3 of this newsletter.
- July 14** **Dog Days of Summer, Macclenny Nursing & Rehab Center**, 11am-2pm. A charity event benefiting Baker County 4-H/FFA members selling animals at the Baker County Fair.
- July 27** **Food Safety for Local Growers: Understanding Your Retailer's Requirements**, 8:00am-4:00pm, Jacksonville, FL Free registration at: <https://www.eventbrite.com/e/publix-super-markets-food-safety-for-local-growers-tickets-25354533091> For agenda or more information, contact Angela Valadez at 863-688-1188.
- July 29** **Growing Green Thumbs**, 10:00am—12:00pm at the Baker County Extension Office (Agricultural Center) in Macclenny. Topics will include common mistakes made by gardeners, landscaping tips, and top performing plants recommended for our area. All participants will receive 2 gardening books (Florida-Friendly Landscaping & Guide to Plant Selection and Landscape Design) plus a plant of choice for your landscape. \$10 per person. Pre-registration & payment due by July 27th. Please call (904) 259-3520 for more information.
- July 30** **Spring into Canning**, 11:00am—2:00pm, Bradford County Extension, 2266 N. Temple Avenue, Starke, FL. This program provides tips and updates on food preservation, canning, and freezing spring vegetables. Registration is \$10.00 per person. Please contact the Bradford County Extension Office at 904-966-6224 to register or for additional information.
- July 30** **Tampa Bay Cottage Industry Expo**, Wiregrass Ranch High School, 2909 Mansfield Blvd., Wesley Chapel, FL. Educational sessions will begin at 9:00am and continue until 3:30pm. For additional information and to register online, please visit <https://www.eventbrite.com/e/tampa-bay-cottage-industry-expo-tickets-24592825804?aff=ebrowse>



4-H Club Meetings

Baker Creation Explorers—No meetings during summer months.

Cloverleaf Cloggers — Every Monday at 7pm in the Auditorium.

Livestock Club — Contact your club leader for summer club meeting dates.

See page 6 for more upcoming 4-H events

**High school aged youth that need
community service hours can
volunteer at a day camp!**



Lucky Clover Chronicle

By:

*Shaina Spann,
4-H Agent*

Upcoming 4-H Events

July

- 01- 4-H Bug Collection Registration Due
- 12-15- PB&J Day Camp
- 18-21- Kitchen Chemistry: The Science of Baking Day Camp
- 25-29- 4-H University, Gainesville

August

- 01- Cloverpoints and 4-H Yr Record Books (for awards) **DUE**
- 05- 4-H Awards Program 6:30pm
- 13-26- Mrs. Shaina on VACATION please get with her BEFORE she leaves. She will absolutely not be available via email, cell phone, or Facebook while on vacation. Contact the office at 259-3520 or your club leader if you have questions during that period of time.**

September

- 06- 4-H Kick-Off 6:30-7:30pm
- 06-Cloverpoints and Project Books (for fair) **DUE**

Birthdays for July:



Wishing you all a **Happy Birthday!**

- 01- Jacquez Ruise
- 01- Summerlyne Long
- 02- Cadee Crawford
- 04- America!
- 05- Jaxon Fletcher
- 10- Emma Snodgrass
- 21- Riley Rungruang
- 22- Gabe Lewis
- 24- Nathaniel Matthews
- 31- Jessa Hilson

Summer Camps in Full Swing!

School is out and camps are in! So far we have had Camp Cherry Lake and Buggin' Out with 4-H Camps and boy were they a blast!! We had 18 youth from Baker County attend Camp Cherry Lake this year, six of which were given scholarships because of the money raised at the auction! Camp Cherry Lake is always a blast and we can't wait until next year! For Buggin' Out with 4-H Day Camp we had 16 youth attend. We learned all about insects and their habitats! Youth learned how to collect insects, how to pin insects, about our native bees (which are not honey bees!) and where they live, we made solitary bee and wasp hotels, bug collections, and much more! Our finale for the camp was a trip to Gainesville where we met with Dr. Rebecca Baldwin at the Department of Entomology at the University of Florida (UF). We also visited the United States Department of Agriculture's Division of Plant Industry's Arthropod Museum, we went to the UF Bee Research Unit and saw a live bee hive demonstration, and got to taste honey, straight from the comb too! Lastly, we met with Lepidopterist Jaret Daniels, who studies butterflies and moths. Mr. Daniels gave us a behind the scenes tour of the Florida Museum of Natural History's Butterfly Rainforest!



To the Left: Camp Cherry Lake, Jacquez and Chloe in the dining hall.



Below: Camp Cherry Lake's Organized Mass Chaos Game.



To the Right: Dr. Baldwin showing a very large yellow jacket nest.

To the Left: Jaret Daniels in the rearing lab with the largest moth in the world, an Atlas Moth.



To the Left: The live bee hive demonstration.

To the Right: At the FDACS's Division of Plant Industry's Arthropod Museum.



Summer Weeds in Pasture and Forages

Weed issues in pastures and forages are a year-round concern for producers in Florida. Many different types of weeds will propagate during each season and control option may be different. Since we have warm weather for a fairly long season, summer weeds can begin to grow in mid- to late-May and persist through October. Listed below are some of the more common summer weeds for Northeast Florida and control measures. Please remember that if you are using chemical control, always follow the instructions on the label.

Sicklepod (*Cassia obtusifolia*) is also called coffeebean. The plant has erect stems and light green, oval leaves. Mature plants display yellow flowers. This plant is toxic to livestock and should be controlled before maturity in late summer and early fall. The seed pods are round with brownish, angular seeds.



Image: Chris Evans,
Illinois Wildlife
Action Plan,
Bugwood.org

Control: Any herbicide with 2,4-D will control sicklepod. Early treatment is recommended. Mature plants should be pulled from the field to prevent livestock toxicity.

Showy Crotalaria (*Crotalaria spectabilis*) is an herbaceous annual plant that can reach 4 to 5 feet tall. The seed pods of the plant are cylindrical with an inflated appearance. Mature plants have tall flowers. This plant is extremely toxic to livestock at all stages of growth.



Image: John D. Byrd,
Mississippi State
University,
Bugwood.org

Control: If crotalaria was an issue in your field within the past year, it is advisable to spray with 2,4-D (3 pts./ac.) as early in the summer as possible. Mature plants should be sprayed with Remedy or Pasturegard (both at 3 pts./ac.).

Coffee Senna (*Senna occidentalis*) is very similar to sicklepod. However, the leaves are ovate or lance-shaped. Yellow flowers are exhibited from the leaf axils. Seed pods are flat, dark-brown and approximately 3 to 4 inches long. The plants



Image: University of Florida

can reach heights of 6 feet. The seed pods of this plant are known to be weakly toxic to livestock.

Control: Like with sicklepod, coffee senna can be controlled with any herbicide that contains 2,4-D. Early treatment is recommended. Mature plants should be pulled from the field to prevent livestock toxicity.

Crabgrass & Sandburs (*Digitaria ciliaris* and *Cenchrus hinatus*).

These weed species can be difficult to control in your pasture or forage area. Imazipic is very effective on grass and sedge species. However, it can injure bermudagrass. Imazipic cannot be applied to bahiagrass. Bermudagrass fields may be stunted for 3 to 4 weeks following application, and the applications should not be made until the bermudagrass is actively growing and rainfall is common. An additional option for bermudagrass (in between hay cuttings) is the use of glyphosate (at 8-10 fl. oz./ac.) applied immediately after hay removal. This method is fairly inexpensive and damage to bermudagrass is unlikely. However, complete control of crabgrass or sandbur is rarely achieved.



Image: Forest and
Kin Starr, Starr
Environmental,
Bugwood.org

Sedges (*Cyperus esculentus*).

Two common types of sedges are the yellow nutsedge and purple nutsedge. Both have fleshy, underground roots that can produce new plants.



Image: Howard F. Schwartz,
Colorado State University,
Bugwood.org

Control: The use of Outrider (1.33 oz./ac.) is effective for sedge control in established bermudagrass and bahiagrass fields.

Baker County Extension Service
1025 West Macclenny Avenue
Macclenny, FL 32063

Phone: (904) 259-3520
FAX: (904) 259-9034
Email: michael.davis@ufl.edu
Website: <http://baker.ifas.ufl.edu>

ADDRESS SERVICE REQUESTED

Non-Profit Org.
US Postage
PAID
Permit No. 17
Macclenny FL 32063

Extension programs are open to all people regardless of race, color, age, sex, handicap, or national origin. In accordance with the Americans with Disabilities Act, any person needing a special accommodation to participate in any activity, should contact the Baker County Cooperative Extension Service at 1025 West Macclenny Avenue, Macclenny, FL 32063 or telephone (904) 259-3520 no later than five (5) days prior to the event. Hearing impaired persons can access the foregoing telephone by contacting the Florida Relay Service at 1-800-955-8770 (voice) or 1-800-955-8771 (TDD).



Growing Green Thumbs

with Florida-Friendly Landscaping

July 29, 2016
10am - 12pm @ Baker County Extension Office
\$10 per person
(includes 2 gardening books & a plant)

- 🍃 Topics include: common mistakes made by gardeners, landscaping tips, and top performing plants recommended for our area
- 🍃 Participants will receive 2 gardening books (Florida-Friendly Landscaping & Guide to Plant Selection and Landscape Design) plus a plant of choice.
- 🍃 Pre-registration & payment due by July 27th. Please call (904) 259-3520 for more info.

UF IFAS Extension UNIVERSITY of FLORIDA The Foundation for The Gator Nation ~ An Equal Opportunity Institution **Florida-Friendly Landscaping** PROGRAM