MARKET BULLETIN

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— August 15, 2024

1913

KNOCKOUT BUTCHERY BREAKS GROUND IN UPSTATE SC

BY SCDA

ROEBUCK —
Commissioner Hugh
Weathers and other
officials joined farmers
Travis and Misty
Howard in breaking
ground yesterday on
a new beef processing
facility that will expand
opportunities for South
Carolina farmers and
address the demand for
local beef.

The Howards are building the new Knockout Butchery facility off Walnut Grove Road near

Roebuck, South Carolina, in Spartanburg County.

The facility will support between seven and 10 new jobs and will have the capacity to process up to 35 head of cattle per week.

The Howards, who already operate a facility in Pauline, say the new facility will quadruple their processing capacity. After the new facility opens, they plan to convert their existing facility to process pork and poultry.

In addition to beef cuts, Knockout will offer custom smoked products like summer sausage, snack sticks, and jerky. The Howards intend for the new plant to be a USDA-inspected facility, which mean products made there could be sold to both in-state and out-of-state customers.

"This facility is being built by farmers, for farmers," Travis Howard said. "Our customer base has stood behind us for the past seven years and that gave us the strength and trust to go forward with all of this."

The Howards' \$2.6 million investment is supported

by a \$600,000 grant from the South Carolina Department of Agriculture (SCDA). The new Knockout Butchery facility is one of seven beef processing projects receiving funding as part of a round of \$3.4 million in grants announced in March 2023.

"More than 700 farmers in South Carolina raise beef, and the Knockout project will allow more of them to raise their animals to maturity and have them processed in the state, thus keeping more dollars in our





economy," said Commissioner of Agriculture Hugh Weathers. "Travis and Misty are carving a bright future for agribusiness in South Carolina."

A 2022 economic impact study commissioned by SCDA found that there is significant unmet demand for local agricultural products in South Carolina. COVID-era supply chain disruptions also highlighted the need to decentralize meat processing. Expanding small processing in South Carolina will create more opportunities for small, in-state facilities to serve the state's farmers and consumers.

The Howards are looking to the future, too. The new Knockout Butchery facility will incorporate a storefront as well as a venue for butchery and agriculture education.

"Our goal is to keep the younger population interested in where their food comes from, and in farming and agriculture in general," Misty Howard said. "We're very excited for what the future holds for us, as well as the hard work we're willing to put in to give the best service to our farmers and our customers."



HOW SCDA HELPS WITH EMERGENCIES

s I write this, the slow-moving storm Debby has been pouring rain on our state all week. Some areas have dealt with tornadoes, and I've heard plenty of reports of astonishingly high rainfall. I pray that the water will drain away quickly and that it's not anything like the flood in 2015.

No matter the length of the storm or how seriously it strains our resources, it's good to be prepared. South Carolina has put a lot of work into refining our emergency response capabilities, and it's always good to see them kicking into gear when necessary.

During emergencies, our agency serves as part of the state's Emergency Support Function 17. This function deals with agriculture and animals, and the effects that an emergency involving agriculture could have on human health, the environment, or our state's multi-billion-dollar agribusiness industry.

When the governor activates the state's emergency operations, SCDA staff take shifts at the SCEMD headquarters in West Columbia to help staff the ESF 17 team. The center bustles with activity, with big screens and consoles everywhere, phones ringing, and people working around the clock to keep South Carolinians safe. Our staff were activated for Debby, and given how active this hurricane season is projected to be, I expect they'll be activated again this year.

SCDA's Rapid Response Team also plays a role before, during, and after disasters. We reach out to the food and feed manufacturing and distribution facilities, advising them on how to handle power outages, dispose of ingredients, or deal with the aftermath of a flood. We also work with Retail Food Establishments to help with emergency response and recovery. After the emergency passes, we'll follow up to help them assess any damages and determine next steps.

Of course, we are always advocating for farmers and helping them get the help they need. We rely on our partners at Clemson Livestock-Poultry Health, Clemson Cooperative Extension, and the USDA Farm Service Agency. We work with the governor's office and state and federal lawmakers to make sure South Carolina gets the aid it needs. If you have losses or damage from Debby, reach out to your extension agent and FSA office, but keep us in the loop, too.

It's important for farmers and agribusinesses to be prepared. If you're looking for emergency planning or disaster response resources, please visit agriculture.sc.gov/emergency-planning-and-disaster-response. Like the sergeant used to say on the Hill Street Blues TV show from the 1980s, "Let's be careful out there".

UPCOMING EVENTS

Farm Tour

August 17, 24, & 31 • 10 am, 11:30 am, 1:30 pm An educational, up close and personal experience with alpacas, goats, and chickens. Adults: \$15, Children (Ages 3-10): \$7.50, Children 3 & Under: Free Herd it Here Farm

541 Sullivans Ferry Road, Cottageville info@HerdItHereFarm.com • 703-597-4839 facebook.com/herditherefarm

Weekend Wine-Down

August 17, 24, & 31 • 10 am - 5 pm Drinks, tastings, food trucks, live music.

Deep Water Vineyard

6775 Bears Bluff Road, Wadmalaw Island info@deepwatervineyard.com • 843-559-6867 deepwatervineyard.com/wadmalaw-island-deepwater-vineyard-events

Visit with the Alpacas

August 17, 24, & 31 • 11 am, 12 pm, 1 pm, 2 pm I hour tour, \$6

Carolina Pride Pastures 1416 SC Highway 34, Pomaria

alicia@cppastures.com • 803-480-3750 facebook.com/CarolinaPridePastures

Wine Tasting Wednesday

August 21 & 28 • 4 – 7 pm

Join us for wine on Wednesday in the farmhouse and wine shop for free tastings. The new Farmhouse Shop will be open from 3 – 8 pm. The farmhouse will be open for retail, flower bar, and glasses of wine.

City Roots Location 1005 Airport Blvd, Columbia f2tproductions.com

Sunflower Sessions

August 25 • 7:15 am - 7:45 pm Join us for this year's Sunflower Minis at the beautiful Five Blossoms Farm sunflower gardens! You will receive 10 edited images delivered to you in a private online gallery. For families, couples, and more. Inquire for 2024 & 2025 at jessicaturnerphotographyandstudio.com.

Five Blossoms Farm 1121 Crossland Road, Clover info@fiveblossomsfarm.com • 803-610-5809 facebook.com/fiveblossomsfarm

Healthy Happy Hour Mocktail Class with Glass

August 28 • 5:30 - 7:30 pm

Join our expert mixologists from Glass Half Full as they guide you through the exciting process of creating three delicious and functional mocktails. Plus, you'll take home a commemorative glass, a menu, and enjoy some tasty light appetizers.

Magnolia Plantation & Gardens 3550 Ashley River Road, Charleston info@magnoliaplantation.com • 843-571-1266

Girls Night Out

August 28 • 6 – 8:30 pm

We are a family-run craft winery and vineyard focused on producing high-quality small batches of local, innovative wines you can't find anywhere else. Open year round for wine tastings, special events, and long walks through our vineyards. Join us for Girls Night Out the last Wednesday of every month. \$25.

City Scape Winery 589 Dunklin Bridge Road, Pelzer 864-329-0615 cityscapewinery.com facebook.com/cityscapewinery

Pop-up Flower Shop

August 31 • 1 − 5 pm

Get your favorite Windy Hill products from the farm stand and locally grown fresh cut flowers brought to you by Five Blossoms Farm. We will also have our beeswax candles and more at The Blossom Bar!

Windy Hill Orchard & Cider Mill 1860 Black Hwy, York 803-684-0690 windyhillorchard.com facebook.com/windyhillcider

Herb is the Word Holistic Fair

August 31 • 10 am – 2 pm

Join us for plants, herbs, seasonings, demonstrations, and shopping with holistic vendors.

Boondock Farms

755 Foreman Street, Jackson

hello@boondockfarms.com • 706-589-4920 boondockfarms.com/events facebook.com/boondockfarmstead

SCDA State Farmers Markets

SOUTH CAROLINA STATE FARMERS MARKET

3483 Charleston Highway West Columbia, SC 29172 803-737-4664

GREENVILLE STATE FARMERS MARKET

1354 Rutherford Road Greenville, SC 29609 864-244-4023

PEE DEE STATE FARMERS MARKET

> 2513 W. Lucas Street Florence, SC 29501 843-665-5154

VISIT AGRICULTURE.SC.GOV

Click on the State Farmers Markets button for more information about each location

SC Market Bulletin Subscription & Renewal Form

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Market Bulletin Office

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Certified SC Program 803-734-2207

Consumer Protection

803-737-9700

Fruit & Vegetable Inspection 803-737-4588 Fruit & Vegetable

> Market News 803-737-4671

Hemp Farming Program

803-734-8339

Livestock & Grain Market News 803-737-4491

Market News Recording 803-737-5900

Metrology Laboratory 803-253-4052

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POLICIES FOR ADVERTISING

For our full policies, please visit: agriculture.sc.gov/market-bulletin-policies

Only ads pertaining to the production of agricultural products and related items are published. Ads are accepted for South Carolina items, even if the seller lives out of state, provided the item is in state at the time the ad is published and at the

Ads are published free of charge and in good faith. The Market Bulletin reserves the right to edit and verify ads but assumes no responsibility for their content.

Ads cannot be accepted from agents, dealers, or commercial businesses, including real estate. Sealed bids, legal notices, or consignment sales are not accepted.

No matter the submission method, submissions must include the advertiser's name, complete address with zip code and county, and phone number with area code. While we don't publish the address, we need this information for our records. Do not use all capital letters.

- Online: Go to agriculture.sc.gov/market-bulletin. Select "Submit Market Bulletin Ad" and complete the form. If you include your email address, you will receive an automated reminder for a renewal.
- · Mail: SC Market Bulletin, PO Box 11280, Columbia, SC 29211. You must use 8.5 × 11 inch paper.
- Email: Send ads to marketbulletin@scda.sc.gov. Put the words "Market Bulletin ad" in the subject line.
- Fax: 803-734-0659

The deadline for submitting ads and notices is noon on Tuesday of the week **before** the publication date.

NEXT AD DEADLINE

AUGUST 20 • 12:00 PM



REMINDER TO ADVERTISERS

Ads are due by noon (12 pm) on the Tuesday after the latest published issue. Any ads received after the deadline will be considered for a subsequent issue.

AQUACULTURE

STERILE CARP

\$12; LM Bass, \$3; Ch Cats, 65¢; 3-5" BG, \$1.40; 1-3" BG/SC mix, 65¢; Mosquitofish, 40¢ Clay Chappell Richland 803-776-4923

KOI FISH 3-4", \$1 ea; 6-8", \$10 ea, all

colors Tommy Sherman Laurens 864-546-2778

BLUEGILL

50¢; Catfish, 75¢; Carp, \$12; Bass, \$2; Minnows, \$20/lb Derek Long Newberry 803-944-3058

CATTLE

MINI ZEBU BULL

10 m/o, calm, part of petting zoo, \$300 Mike Fox Lexington 803-351-2462

REG ANG BULLS

Niagara & Hoover Dam b'lines, exc EPD, gentle, \$2500+ **Bobby Baker** Lancaster 803-804-2230

SM JERSEY COW

bred, gentle, \$1400 Robert Turner Orangeburg 803-596-6463

25 REG ANG & 3 HRFRD **COWS**

indiv price vary, \$2000+ Roger Brant Spartanburg 864-365-8319

BRANGUS/HRFRD HEFRS

6 m/o, out of Riley Farms bull, \$1500 Kaden Schrock Barnwell 330-663-1010

BFMSTR REG BULLS

& PB bulls, yrlgs, \$1700+ John Steele Lancaster 803-283-7720

WEANED BEEF CALVES

3-5 m/o, vac/wormed, \$500+ Casey McCarty Newberry 803-924-5239

REG BRAUNVIEH BULL

3 y/o, gentle, \$3300, can del for fee James A Langston **Pickens** 864-859-6794

REG BLK ANG COW

low input, exc feet & udders, bred cows, hefrs & prs, \$4500+ Walter Shealy Newberry 803-924-1000

REG BRAHMA BULL

6 y/o, \$3000; reg Red Ang bull, 17 m/o, \$2700; Blk Ang bull, 16 m/o, \$2200; all gentle Steve Sease Anderson 864-304-6313

MINI HIGHLAND/

HRFRD CALVES bull calf, B-11/23 & hefr calf, B-2/'24, \$1500 ea Frankie Cusack Georgetown 843-833-3153

F1/F2 WAGYU/ANG COWS

bred to polled/reg Wagyu bull, due to calve '24, FI cow, \$2250; F2 cow, \$2750 James Boatwright Spartanburg 864-430-9943

BUCKING BULLS

& calves, Code Blue & Panhandle Slim b'lines, \$800-6500 Phillip Hutchins Lexington 803-422-1329

6 ULTRA BLK HEFRS

4 bulls, all weaned, 7-9 m/o, all eligible for IBBA reg, \$1600+ Clay Smith Sumter 803-968-7811

REG & COMM BLK ANG

& SimAng hefrs, vac/tattoo, 9-14 m/o, \$1500+ Marc Renwick Newberry 803-271-8691

FARM EQUIPMENT

ADS MAY NOT BE SUBMITTED BY COMMERCIAL DEALERS. A CURRENT FARM TAG ISSUED BY THE SCDMV IS REQUIRED ON ALL FARM VEHICLES.

LS MT342 DSL TRACTOR

w/LB2100 back hoe & fel, 940 actual hrs, well maint, \$25,000 James Caldwell Kershaw 803-438-3455

5' WOODS FINISH MWR

for FA Cub, \$600; IH 48" belly mwr for FA Cub, \$200; 12' Fimco spryr tank, 1ph, \$200 Robert Yonce Aiken 803-685-7240

SPRING TOOTH CULTS

ır, \$250; sm tractor quick hitch, \$100; bush hog, \$700; 2 trls w/ramps, \$750/8'10", \$1800/18'7' Jimmy Hodge Sumter 803-468-3997

'19 KIOTI SUB-COMPACT **TRACTOR**

21 hp, 4wd w/ldr, 48" bucket & 4' rototiller, \$16,000 Ted Storey Saluda 803-334-0465

'53 8N FOR PARTS

'54 Ford Jubilee w/scrape & plow, needs carb & timing set, \$2200 Angie Robinson Laurens 276-233-4019

'51 FA SUPER A

12v sys, new rear tires, one roll side plntr w/fert hopper, cult, \$10,000 Tony Balchin Greenwood 864-993-6874

VERMEER M7050 DISC MWR

9' cut, used on 300A, \$10,000, call/text Jonathon Watkins Saluda 864-980-6877

16' GN LIVESTOCK TRL

new floor, GC, \$3000; 3ph disc 5, 6, & 7', FR, \$700-950; 8 whl rake Beefco, GC, \$2500 Rickie Evans Chester

3 IH TRACTORS

803-209-2714

(2) 140s & (1) Super A, all run, multi implements, Woods mwr, Cole plntr plus, \$12,100 John Patterson Laurens 864-981-3653

8'×16' ALL STEEL TRL

w/2 ldr pads, 2 axles w/4 tires, \$4000, no text Jimmy Wilson Anderson 864-923-2348

FORD 3000

dsl, \$6500 obo; Bush Hog brand rotary cutter, mod 3210, \$9500 obo; Ford 7740 w/ldr, \$16,000 obo Lecil Hembree Spartanburg 864-316-1222

JD 535 RND BALER

\$5000; Morra hay tedder, \$2000; NI mwr, \$3000; McCormick Intl 400, \$2500 Mike Crot Lancaster 803-289-8002

JD 348 SQ BALER

EC, FR, shed kept, 1 owner, \$15,000 Victor Smith Berkeley 843-870-8522

GREAT PLAINS 15' NO TILL DRILL

w/coulter cart, EC, \$15,000; JD 454A row crop head, EC, \$4000 Jeffrey Gilmore Chesterfield 843-517-0315

JD 350 HAY RAKE \$700; 2r cult, \$650

R Adams Darlington 843-393-7280

NH 849 BALER

GC, \$2500; IH 820 combine hdr auger, 15', \$400; 3pt scoop pan, \$125 Charles Nichols Saluda 864-445-8350

WOODS 750 3PH BACKHOE

16" & 24" buckets, bucket cyl, rebuilt last of '23, \$3200 cash only Randy Orr Anderson 864-295-3736

'88 FORD TW 25 ROW **CROP TRACTOR**

165 hp, 2 wd, \$9000 Fred Plunkett Aiken 803-645-5802

3PH DIRT PAN

\$300; 12' Ponderosa GN trl, \$2000 Russell Goings Union 864-426-2309

FINISH MWR

3ph, \$1000; single hay prong, LN, \$115; fert sprdr, LN, \$150 Smittie Smith Pickens 864-561-5534

20'×7' ENCL TRL

Tandem axles, loading ramp, new tires, EC, \$10,250 Jerry Comeaux Spartanburg 864-992-3869

JD 4 WHL WAGON

w/16' steel bed, \$800 Terry Blakely Greenville 864-483-1920

JD 4030 540

1000 PTO, 4 post canopy, 2 remotes, 7600 hrs, frt tires new rear 60%, GRC, \$12,000 Steve Sease Anderson 864-304-6313

'08 JD 3320 W/CAB

heat/ac, 4 wd, 459 hrs, used to mow, frt ldr LN, \$24,500 Gordon Bowers Beaufort 843-521-7064

'01 AGRI-VAC

Walinga Inc 5614DLX, comp rebuild '16, \$21,500 Clarence Criswell Sr Darlington 843-861-1756

FORD 755A BACKHOE-LDR TRACTOR

2540 hrs, substantial value specs, photos & details avail, \$38,000 Oliver Powers

803-367-7064 **BIG TEX 10PI TRL**

LN, nvr used, 7'×20', 7600 lb cap, dual brakes, more, \$5450; 5' bush hog, \$600 James Burns Laurens 864-918-6308

LANDPRIDE 6' FINISH MWR

GC, \$1550 Stephen Bonnette Orangeburg 803-707-5093

QUICK HITCH

new, category 2, \$300; Bush hog 2400 frt end ldr w/ brackets, \$4000; 5' Hardee bush hog, \$800 Robert Turner Orangeburg 803-596-6463

CASE IH CPX420 COTTON PKR

KBH modular builder, KBH boll buggy, all FR, \$25,000 Jeff Millen Chester 803-209-0893

JD 4020

\$13,500; MF 1105, \$15,000; Cat D7E, \$27,000; Ford 3930, \$13,500 Ronald McGraw Lancaster 980-255-8584

NH TN 65 TRACTOR

w/ldr, \$14,800; JD28 disc offset harrow, \$3500 Robert Hurley Laurens 864-981-5352

JD 1700 6R MAX EMERGE **PLNTR**

row cleaner, fert tanks & spray, \$16,500; JD 6500 60' frt fold boom, \$25,000 Joe Phillips Jr Lexington 803-600-2928

19 GRASSHOPPER ZERO TURN MWR

mod 335B w/72" & 35 hp B&S Vanguard, \$9500 Terry Atkins Spartanburg

864-706-3738 **SQ BALE SYSTEM**

Hoelscher 1000 accumulator, NH 575 baler & 2 Hoelscher 100 grapples, FR, \$23,000 Dennis Martineau Aiken 803-979-3999

FORD 4500 BACKHOE

\$4000; 1.5 yd dirt pan on whls, \$1200, all in GC Johnny Childress Laurens 864-872-9985

INTL 240 UTIL TRACTOR

w/point lift, \$2500 Randy Williams Spartanburg 864-764-0089

FORD 3910 DSL

VGC, runs good, w/roll bar, LN tires, new batt, FR, 52 hp, low hrs, 2 owners, \$9000 M Wilson Spartanburg 864-595-1136

FERGUSON 2 BTM TURN **PLOW**

3pt, \$300; 7' Hesston mwr cond, \$1500; FA 544 parts tractor, \$500 Ronnie Richardson Newberry 803-924-3930

3000 FORD TRACTOR

\$6000; hay trl, \$100; bush hog, \$50; btm plow, \$150 Gary Seay Spartanburg 864-578-8214

CLARK 48' LOW BOY

w/ramps, \$6500; more Keven Hodge Sumter 803-934-6186

6'×12' SKID STEER TRL

\$2000; 8' gig plow/cult, \$225; 3 btm mold board, \$350 Winfred Hall Cherokee 864-461-1854

'23 JD BAT WING

12' rotary cutter, \$14,000 Stephen Gedosch Greenville 864-982-4490

NH 258 ROLLER BAR RAKE

GWC, need s new tires & tines, \$3500 obo Lauren Ray-McCarley Aiken 803-508-2581

FRESH PRODUCE

PRODUCE MUST BE RAW AND NON-PROCESSED, RAW MILK. BUTTER, AND CHEESE PRODUCTS MUST BE PERMITTED BY SCDA. AN EGG LICENSE IS NOT REQUIRED FOR ON-FARM POINTS OF SALE.

74.8A CALHOUN CO

wooded, 3 creeks w/ culverts, exc hunting, sites for home/pond, map# 044-00-00-016, \$7250/A Rodney Saylor Calhoun 803-260-4153

WANT HUNTING LAND

for lease, will maintain Nathan Smith Newberry 803-944-3263

WANT LAND TO BUY

FARM LAND

FARM LAND MUST BE OFFERED FOR SALE BY THE OWNER, NOT AN AGENT, TRACTS

MUST BE AT LEAST 5 ACRES UNDER CULTIVATION, TIMBER, OR PASTURE. OUT-OF-

STATE OWNERS—NOT REAL ESTATE AGENTS—MAY SUBMIT ADS FOR LAND IN SC.

or 10 yr lease, Beaufort or Jasper Cos, will be used for a small animal sanctuary Deborah Smith Beaufort 404-414-1282

132A SUMTER CO

timber, Pocotaligo Swamp, w/gov easement, duck & deer hunting, \$800/A Horace Roberson Sumter 803-972-4800

FRESH PEARS \$1/lb Cherie Garrison

Edgefield

864-430-4547

706-495-4614 **MUSCADINES** you pick, numerous varieties, \$10/gal, text for info Kathryn & Jay Wilson Spartanburg

FARM CHICKEN EGGS

\$3/dz Ron Handley Georgetown 843-896-0829 **FIGS**

Organic Brown Turkey, \$10/11/2 gal, del in Irmo area Glenn Garrett Richland 803-730-1902

BLUEBERRY BUSHES

GARDEN

ADS ARE NOT ACCEPTED FROM COMMERCIAL NURSERIES. WHICH HAVE

ANNUAL SALES OF \$5,000.

3/\$20; Blkberry plants, 3/\$25; Figs, Pomegranate. Elderberry plants, \$20 FC Noles Barnwell 803-383-4066

MUSCADINE PLANTS

purple, lrg fruit & hvy bearing, \$5 ea or 5 for \$20 Brian Gray Greenville 864-908-9777

CELESTE FIG TREES \$20/lrg, \$12/sm; Chicago

Hearty fig trees, \$15 Deborah Worth Aiken 803-605-4644

SPRING ONIONS

in pots, \$5; Elephant garlic bulbs, \$30 Francis Shiver Kershaw 803-669-1979

FARM LABOR

NOTICES ARE ACCEPTED FOR AGRICULTURAL WORK ONLY AND NOT FOR HOUSEWORK, NURSING, OR COMPANIONSHIP NEEDS.

DOZER/TRACKHOE WORK

build & repair ponds, demo, tree removal, land clearing, roads, free est James Hughes Greenwood 864-227-8257

FORESTRY MULCHING

& mini X brush cutting up to 8" clearing/dozer/Deere work, pond maint, bldg pads, etc Phillip Hutchins Lexington 803-422-1329

LIME SPREADING

specialize in TN, call for prices Drake Kinley Anderson 864-353-9628

TREE LIMB TRIMMING

for pasture, fence lines, field edges, Chester & nearby cos Damon Archie Chester 803-517-7436

MOBILE SAWMILL SERV

statewide, capable of sawing logs from 8-20'L & 36" dia Lowell Fralix Barnwell 803-707-5625

DOZER/TRACKHOE WORK

land clearing, ditching, ponds, roads, track hoe bush hog, bldg pads Fred Morris Florence 843-621-8647

LIGHT TRACTOR WORK

incl bush hogging, discing, cut up & removal of downed trees, light landscaping John Tanner Lexington 803-422-4714

FORESTRY MULCHING

land clearing, wildlife mgmt, ditches, grading, pond digging Jay Lowder Clarendon 803-473-0646

MOBILE SAWMILLING up to 30" dia & 21'L, drop off up to 52" dia & 16'L John Smith

Pickens 864-982-2249 **PASTURE MGMT SERV**

spray weeds, treat fire ants, fert & lime, plant pastures, Fescue, Ryegrass, Bermuda, Kenny Mullis

Richland 803-331-6612

HAY HAULING

your location to POD, call for est; also fence installed, per your specs, both statewide Bruce Thomas Dorchester 843-636-1699

EXCAVATOR MOWING

landscaping, grading, clearing/brush clean up, drains, sprinklers, sod, etc, all surrounding cos Derek Drafts Saluda 803-429-3291

HERBICIDE APPLICATIONS

by ground & drone, aerial seeding, licensed & insured, Ag, forestry & aquatic certified Joel Cox Spartanburg 864-706-1495

WILDLIFE MGMT

nest raiders, coyotes, beaver, hogs, Aiken & surrounding cos Joe Leonard Aiken 803-507-4940

LAWN CUTTING

leaf blowing, edging, trimming, planting, Kershaw & Lancaster cos, call/text Michael Shelton Kershaw 864-457-6813

GOATS / LLAMAS / SHEEP

REG ROYAL WHT LAMBS

pasture raised, rotated 3-5 days to new pasture, good genetics, \$600/ram, \$550/ewe **Dmitriy Zuyev** Greenville 864-420-6296

BLK BELLY HAIR SHEEP

\$150+ HT Austin Orangeburg 803-308-1203

BOER/BRIAR BILLIES

5-6 m/o, red & wht, \$100 ea, photos avail Ken Evans Lee 803-464-1370

2 KATAHDIN RAMS

B-6/23, gentle, proven breeder, \$300; B-2/24, \$250; both hand raised Tammy Hodge Sumter 803-983-5041

3 F PYGMY GOATS

18 m/o−3 y/o, photos avail, \$100 ea Mike Fox Lexington 803-351-2462

GOATS

\$125/nannies, \$70/kid Bill McAlister Greenwood 864-991-7853

3 Y/O NZ KIKO BUCK

reg & DNA tested, \$800 Aiden Rodgers Saluda 803-480-5023 ST CROIX EWES

suitable for breeding,

\$175-200 Judy Murdock Anderson 864-401-1399

4 Y/O NGN DWARF BUCK

ADGA reg, blue eyes, polled, proven breeder, \$350 Katie Wilson Spartanburg 864-430-4547

MINI NUBIAN BUCKLING

6 m/o, \$50 Ron Handley Georgetown 843-896-0829

DAIRY GOATS

wethers, some yng does, not disbudded, Lamancha, Alpine, Nubian, \$125+ **Beverly Ammons** Berkelev 843-761-2962

HOGS / PIGS

8 W/O+ PIGLETS Berkshire/Yorkshire cross, \$150 ea J Painter Spartanburg 864-641-9855

PIGLETS

Kunekune Duroc mix, B-4/17 & 6/12, cut & uncut M, \$50; F, \$60, call or text Paige Hicks Aiken, SC 803-645-3933

KUNEKUNE PIGLETS

M&F avail, \$150 Cherie Garrison Edgefield 706-495-4614

SEED

ADS MUST BE ACCOMPANIED BY A CURRENT SEED LAB TEST.

WHEAT SEED

in bulk bags, G-96%, D/ HS&g-96%, \$9/bu Jeffrey Gilmore Chesterfield 843-517-0315

SOYBEANS

cleaned & bagged, P-99.96%, G-98%, D/HD SD&G-98%, IM-0.04%, \$20/50 lb bag Kevin Anderson Barnwell 803-259-6888

HAY & GRAIN

'24 4×5 MIXED GRASS

\$45/bale; '24 4×5 Fescue, \$40/bale; both net wrap Charles Nichols Saluda 864-992-9292

'24 HQ SQ CB

shed kept, \$7.50 ea, will del for addl fee Nathan Oswald Lexington 803-317-3090

WHEAT

\$10/bu bag Clayton Culler Orangeburg 803-622-9790

'24 4×5 RND CB

NR, barn stored, \$70/bale Mike Cousins Newberry 803-924-7539

'24 HQ BERMUDA

4×54, net wrap, shed kept, NR, \$60 & 70; HQ sq, \$8.50 Tom Fink Lexington 803-622-4678

RND BALES

\$65/shed kept, \$60/outside **Bobby Zimmerman** Lexington 803-317-8681

'24 4×5 RND CB HQ, \$65 ea; GQ cow hay, \$50 ea

Carroll Harmon Lexington 803-359-3956

4×5 WHEAT STRAW net wrap, \$40 ea

Richard Knight Kershaw 803-427-6440

SQ WHEAT STRAW

\$7; lrg rnd, \$50; rnd Fescue, \$60; all in barn; feed wheat, reclean, \$13/bag Melvin Barr **Pickens** 864-360-5176

\$70; HQC, \$60, both 4×5 & net wrap; sq \$8/bale, all barn kept Howard McCartha Lexington 803-312-3316

SQ STRAW BALES

\$4; Oats, \$40; Wheat, \$60; both in your 55 gal drum Jeffrey Gilmore Chesterfield 843-517-0315

'24 SQ FESCUE

horse, NR, in barn, \$7 ea; goat hay, \$6 ea Jerry Butler Laurens 864-697-6343

COASTAL W/MIXED GRASS

no weeds or briars, p-up in field, \$45 if buy 10+, 4×5 net wrap John Tribble Anderson 864-958-1645

'24 CB & TIFTON 85

net wrap 4×4 rnd bales, no del, HQ, baled 8/2, in field, \$50 Ann Furtick Orangeburg 803-707-4826

'24 4×5 FESCUE

\$60/bale; '23 rnd, \$25/bale; both net wrap, outside, fert Roger Snyder Spartanburg 864-580-9311

ALFALFA

\$12/sq; Orchard/alfalfa mix, sq, \$10 Jackie Rogers Spartanburg 864-381-5971

'23 OATS HAY

\$60/bale; '24 oats hay, \$64/ bale; all 4×5, net wrap, shed kept Sam Rikard Lexington 803-892-2630

'24 HQ

SQ CB, \$8/bale at barn, del avail for fee Austin Wood Anderson 864-993-5012

'24 OATS

\$12/bag; Oat Straw, \$7/bale, 3000 avail Victor Smith Berkeley 843-688-5353

ALFALFA HAY

locally grown, sm sq bales, \$12 ea Kemp Wilson Chester 803-209-0348

PLANTS & FLOWERS

ADS ARE NOT ACCEPTED FROM COMMERCIAL NURSERIES. WHICH HAVE ANNUAL SALES OF \$5,000.

CANNA LILIES

grn leaf, pink w/red leaf, \$1 ea Robert Yonce Aiken

red, yellow, orange, pink w/

803-685-7240 **IRISES & DAYLILIES**

prize winning, \$1.50 ea or \$8/cluster Linda Lucas Lexington

803-730-1110 **AMARYLLIS**

\$10 Francis Shiver Kershaw 803-669-1979

AZALEAS

Gardenia, Boxwoods, \$6; Tea Olives, \$8; Crepe Myrtles & Hydrangeas, Canna Lilies, \$20; Mulberry trees, \$30 FC Noles Barnwell 803-383-4066

MONKEY GRASS

aka Liriope, Hosta, \$4 ea; Iris, Daylily, \$5 ea; Hydrangea, Gardenia, \$10 ea Woody Ellenburg Pickens 864-855-2565

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SM BANTAM BREED

wht roos & pullets, '24 hatch, \$3 ea Adell Dailey Richland 803-361-7978

DIAMOND DOVES

\$15 ea Mosco Faulk Sumter 803-494-8499

BOBWHITE QUAIL I-3 w/o, \$2; 6 m/o, \$5;

Bobwhite eggs, \$6/dz Lee Erbe Calhoun 843-789-9645

SILVER

843-821-8172

wht tailed Diamond doves, \$50 ea James Malphrus Dorchester

HOMING PIGEONS wht & other colors, \$5

Donald Fisher Chesterfield 843-634-2022

WHT LEGHORN ROOS

yng, \$1.50; grown Lavender Orpingtons, \$8 Carol Mosley Pickens

864-656-3064 **CHICKS**

blue egg layers, unsexed, heat tolerant, \$10/pr; hatching eggs, \$15/dz Destinee Hutson Dorchester 843-696-7154

SEX LINKS

Blk Copper Marans, lavender Orpingtons, Brahmas & Cochins, jumbo Coturnix & Bob Whts, \$3-5 ea Brian Motley Kershaw 803-315-7598

LRG HUBBLE PIGEONS

breed is raised commercially for squab production, solid wht, \$15+ R Adams Darlington 843-393-7280

CAYUGA DUCKS

4 hens & 1 drake, \$100 obo **Bob Cathey** Anderson 864-303-8203

POULTRY

LAVENDER ORPINGTON ROO

5 m/o, \$20 Randy Williams Spartanburg 864-764-0089

4 CORNISH HENS

& 1 roo, 5 m/o, \$3; Bantams, Guineas, Jungle fowl, Ducks, \$7-12 ea Joe Culbertson Greenwood 864-229-5254

BALD HEAD ROLLER PIGEONS

\$10; Fantail pigeons, \$12; King pigeons, \$15; Pharaoh quail, \$2-5 Randy Stone Florence 843-621-5641

SWEATER/KELSO COCK

2 y/o, \$100; 4 m/o 3/4 Kelso 1/4 Sweater stag, \$40 **Russell Goings** Union 864-426-2309

2 PEACOCK PRS

mature breeders, Indian Blue, sold in prs, 1M/1F, \$300/pr Tammy Hodge Sumter 803-983-5041

TOULOUSE GEESE

proven prs, \$100; Wht King pigeons, \$30/pr Benson Ray Georgetown 843-933-5367

HOMER PIGEONS

wht yng, \$5; mated prs, \$20; mixed colors, \$5+ Smittie Smith Pickens 864-561-5534

MISCELLANEOUS

BUENA VISTA SADDLE

GC, \$450 James Kimbrell York

WOODEN PEACH BOXES

1 bu, old, \$30 ea Robert Yonce 803-685-7240

803-547-4975

REAR TINE TILLER

Robert Turner Orangeburg 803-596-6463

TOP SOIL/FILL DIRT

\$2/yd R Adams Darlington 843-393-7280

5 HP ELEC MOTOR

LA COTTONTAILS

Danny Cook

803-924-6953

Newberry

crossed on MS cane cutter,

new, bought for grain auger, nvr used, \$750 Charles Nichols Saluda 864-445-8350

DRY ROUGH CUT PINE

Oak boards, all sizes, Pine, \$2/bdft; Oak, \$4/bdft Joel Grubb Calhoun 803-351-0144

HOLE DIGGER

gas, w/8" & 10" augers, all items nvr used, \$340 cash only Randy Orr Anderson 864-295-3736

4' TUBE GATE

\$45; 7'×3/8 chain hook one end, \$20 Russell Goings Union 864-426-2309

GARDEN TRACTOR

Cub Cadet 1450, 14 hp Kohler, hydro trans, hyd lift, spare frame, tire, mwr frame, \$450 obo Ralph Taylor Chester 803-789-5110

RABBITS

BABY RABBITS

Cherie Garrison

variety, \$15-25

706-495-4614

Edgefield

CHICKEN LITTER

tractor trl qty, \$500/load w/ in Newberry Co, \$500/load + del fee outside Newberry Co Evan Horne Newberry 803-960-2699

OEM JD EXHAUST

vertical pipe assembly for 5055D, EC, \$150 **David Grooms** Dorchester 843-345-5608

RND CEDAR POSTS

cut to var sizes, 4-10" dia, 6-12' L, \$6-12 ea, depend on size; cut 4×4, \$2/bdft **Douglass Britt** McCormick 864-391-3334

2H WAGON

\$350; peach baskets, \$2 ea; plastic barrels, \$10 ea Gary Seay Spartanburg 864-578-8214

FLEMISH GIANTS

Joe Culbertson

Greenwood

864-229-5254

\$25 ea

HONEY BEES

\$160, 5 frames; lrgr colonies & queens, \$45, frames only, must have own box David Gainey Darlington 843-861-2745

CEDAR LUMBER

1"×6", \$1.50/ft; Cedar posts, 5'-10'L, \$2/ft; util poles, 6'-30'L, \$2-5/ft James Burns Laurens 864-918-6308

ARIENS RIDING LAWN MWR

B&S eng, 22 hp, 46" cut, new belt, spindle, blades, hyd drive, EC, \$950 obo Lecil Hembree Spartanburg 864-316-1222

SNAPPER ZERO TURN MWR

48" cut, Briggs eng, \$2500 Terry Blakely Greenville 864-483-1920

230 WHT OAK FENCE **BOARDS**

cut 5/'24, 16' L, full cut 1"×6", \$13.75/board Mike Gingerich Abbeville 864-328-7025

SILVER EDGE FARM WAGON

190"×83", EC, kept under cover, 4 new tires, \$2200 Janet Roberson Aiken 803-646-3801

BRASS RAINBIRD SPRINKLERS

EC, \$20 ea; yard vacuum, EC, \$185; irrig hose, \$75 George Schwab York 803-493-8021

POWER & CEDAR POLES

\$15 ea Randy Williams Spartanburg 864-764-0089

OLD TUBS

exc for water troughs, \$65 ea Sam Rikard Lexington 803-892-2630

2 LRG WASH POTS

old, \$75 ea Joe Culbertson Greenwood 864-229-5254

OLD COMP FARM BELL

#3, \$350; xl farm bell w/whl, comp, \$1200; #20 hash pots, \$200 ea; #15, \$150; more Perry Masters Greenville 864-561-4792

AUTO CATCH HEAD SQUEEZE

GC, \$200 Johnny Childress Laurens 864-872-9985

WANT - LIVESTOCK

EACH AD MUST LIST SPECIFIC ANIMALS.

PEACOCKS

Chickens, Turkeys, Geese, Ducks, Pheasants, Guineas, more Joe Culbertson Greenwood 864-229-5254

BEEF CATTLE

any age or size Kenneth Satterfield Laurens 864-304-3172

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WANT - FARM EQUIPMENT

LAKELAND SPIN TRIM CHUTE

for sheep, pull-up sheep sorter gates Rebekah Olson York

803-351-4994 **GRAIN CLEANER**

rotary type, prefer one that will clean wheat Henry Gunter Lexington 803-260-5502

75-90 HP TRACTOR

w/cab, 540 PTO, AC, maybe a frt end ldr, preferably a JD Charlie Wadford Berkeley 843-693-3150

GRAIN TRUCKS

1955-1966 James Hatchett Spartanburg 864-590-4519

LITTER SPREADER **TRUCK**

or just the body, prefer hydraulic bed, used & in GC Jessie Night Lancaster 803-287-3940

WANT - MISCELLANEOUS

PULPWOOD SAW TIMBER hdwd pine, all types of thinning or clear cut, Upstate cos Tim Morgan Greenville 864-420-0251

BEE EQUIPMENT

woodenware, boxes, frames, will pay reasonable price David Gainey Darlington 843-861-2745

RED CELOSIA SEEDS

aka giant red cockscomb Celosia **JoAnn** Out of State 828-375-3279 SPOKED RIM

for older model AC Easy Flow, 15" or 14" in GC Talmadge Luker Greenwood 864-941-1703

FARM WAGON

I or 2 h w/wood spoke whls Harry Isbell Anderson 864-617-2627

ANY SIZE WASH POTS

syrup kettle, anvils, lrg coffee grinder, old lighting rod w/ balls & weathervane, more Perry Masters Greenville 864-561-4792

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APPLY NOW FOR AGRIBUSINESS PLANNING PROGRAM

The South Carolina Agribusiness Center for Research and entrepreneurship (ACRE) and Clemson Extension are excited to announce their 7th annual Agribusiness Planning Program. Whether you're interested in starting an agribusiness, or have been in business one year or 30 years, and want to write a business plan, this is the program for you.

With five online two-hour courses, participants will learn key principles of developing business and marketing plans, as well as understanding market trends and prospective customers. The program culminates in an opportunity for each participant to pitch their idea or business to an agribusiness panel for the chance to win substantial cash rewards.

This is a free but competitive program (spots are limited). Please contact Kyle Player at kplayer@scda.sc.gov or 803-734-2324, if you're interested in receiving an application. Applications are due August 29th.







38 SUICIDE & CRISIS LIFELINE

There is hope.

What is 988?

It is a free and confidential 3-digit phone number available 24/7. 988 can be accessed by phone, text or chat to connect with someone who cares. Specialized services are available for specific populations, including:

- veterans
- individuals hard of hearing

Who is 988 for?

Anyone, regardless of age, that is experiencing thoughts of suicide, having a mental health or substance use crisis, needing someone to talk to, or having concerns about someone else.



MARKET BULLETIN

SC COMMISSIONER'S SCHOOL FOR AGRICULTURE HELPS STUDENTS EXPLORE AG INDUSTRY, CAREERS

BY ERIN ALBERS, SCDA

For 21 years, the South Carolina Department of Agriculture and Clemson University have partnered for the week-long South Carolina Commissioner's School for Agriculture on Clemson's campus. In this program, rising high school juniors and seniors explore careers related to agricultural, natural resources, and life sciences through hands-on experiences.

The 37 students of the 2024 Class of Commissioner's School, all rising high school seniors, were the most competitive class post-COVID. Additionally, with four out-of-state students, this class demonstrated SCCSA's nationwide draw.

Thanks to the generosity of numerous South Carolina farmers and agribusiness owners, students gained firsthand exposure to the industry and made professional connections. The first full day of programming included tours of a range of operations including Amick Farms, Log Creek Timber Co, and Titan Farms. Later in the week, students listened to and asked questions of a panel of industry experts. These tours and discussions allowed students to make professional industry

connections and demonstrated the importance of relationships in South Carolina agriculture.

Commissioner's School students declare an emphasis of plant sciences, livestock production, or forestry and natural resources, and they then spend a day exploring this specific field through hands-on activities led by integral professionals in the field. These specific emphasis day curriculums included activities such as building hydroponics, conducting reproductive dissections, and exploring forest operations. All students also attended educational sessions from Clemson staff on topics such as packaging science, athletic turfgrass, and precision agriculture and safety.

Students also participated in some activities that may appear more like a traditional summer camp including whitewater rafting, shooting sports, and a campus scavenger hunt. These activities allow students to have fun and grow friendships with these students with similar interests.

On the final night, students competed in a discussion meet where they talked over topics

significant to our agricultural system. In these discussions, students combined their own personal experiences, lessons from the week, and their own personal research.

Twenty-one years of the South Carolina Commissioner's School for Agriculture has created a community where the alumni work in integral components of South Carolina's agricultural system across the state. Counselors, most often alumni of the program return, alongside CAFLS and SCDA staff, to give back to and help foster the program that provided them with opportunities and friendships.

At the South Carolina Commissioner's School for Agriculture, students jump at the opportunity to try something new, support their peers, and engage with guest speakers. They approach new opportunities with vigor an inquisitive nature. At Commissioner's School, an energy and an excitement fill the room that bodes well for the future of South Carolina agriculture.

















PAYMENT PROGRAMS HELP PRIVATE FOREST LANDOWNERS ADDRESS CLIMATE CHANGE

BIDEN-HARRIS ADMINISTRATION ANNOUNCES \$190M GRANT OPPORTUNITY

RY IISDA

ORONO, Maine, July 25, 2024 — Agriculture Secretary Tom Vilsack announced that the U.S. Department of Agriculture's Forest Service is making \$190 million available to help private forest landowners adapt to and mitigate the impacts of climate change and retain working forestlands.

This new investment, announced today at the University of Maine's Investing in America Town Hall, was made possible by the Inflation Reduction Act — part of President Biden's Investing in America agenda and the largest climate investment in history.

"Climate change threatens people, communities, infrastructure, and natural resources across the country," said Secretary Vilsack. "Healthy, resilient forests can better withstand climate change impacts, and contribute to climate solutions by storing additional carbon. Thanks to President Biden's Inflation Reduction Act, we are partnering with states and nonprofits to reduce financial barriers for landowners interested in adopting climatesmart forestry practices and making their lands more resilient to climate change. These strategic investments represent our commitment to an all-lands, all-hands approach to investing in rural communities and mitigating the climate crisis."

Of the total, \$140 million is available to support state-endorsed cost-share programs for

landowners. Cost-share payments lower the financial barriers for landowners to adapt to climate change by making forests more resilient to changing climate conditions, and to store more carbon on the landscape. For example, a landowner may decide to work with states and non-profits to strategically thin their private forestland, removing small-diameter trees that compete for scarce resources, allowing large trees to grow larger and sequester more carbon.

Additionally, \$50 million is available to programs that issue payments directly to landowners to adopt practices that increase carbon sequestration and storage of their forests. Forest management impacts the amount of carbon stored and sequestered, and this funding opportunity incentivizes carbon stewardship. Among other things, payments to landowners also provide financial incentive to maintain their land as forests rather than convert it to other uses. Eligible applicants include state forestry agencies or their equivalents and nonprofit organizations.

Privately owned forests and private forest landowners are key to tackling the climate crisis. Private landowners manage more than 60% of forests in the United States; in Maine, they manage more than 90% of all forests. These vast swaths of privately managed forests are key to the carbon cycle and are an important climate solution,

absorbing vast quantities of carbon and storing it for decades.

The Forest Service is committed to supporting landowners as they manage their forests in a changing climate. In addition to these investments, the agency recently announced \$145 million from the Inflation Reduction Act for projects that connect private forest landowners with emerging climate markets.

This funding advances environmental justice and President Biden's Justice40 Initiative, which set the goal that 40% of the overall benefits of certain federal climate, clean energy, and other covered investments flow to disadvantaged communities that are marginalized by underinvestment and overburdened by pollution.

For more information about the available funding opportunity, including eligibility and how to apply, visit the Forest Service's Forest Landowner Support webpage, fs.usda.gov/about-agency/state-private-tribal-forestry/coop-forestry/ira-forest-landowner-support

UNCOVERING THE ROOTS OF CLIMATE-RESILIENT COTTON

BY DENISE ATTAWAY, CLEMSON UNIVERSITY

Cotton is an essential crop for the United States economy, but traditional breeding practices have unintentionally left modern cotton varieties vulnerable to climate change stresses.

A new study is shedding light on how to make cotton more climate-resilient through improved water use efficiency.

Water use efficiency, or WUE, is a critical trait for crop resilience in the face of climate change. It measures the amount of biomass or economic yield produced per unit of water used, often summarized as "crop per drop."

A research team led by Clemson University 's Sruthi Narayanan has discovered that certain root traits in Upland cotton can significantly enhance WUE. They found that root weight and length, surface area and volume of very fine roots (less than 0.25 mm in diameter) are key to improving water use efficiency.

"These traits will be valuable in developing the next generation of water-use-efficient Upland cotton varieties," said Narayanan, associate professor of crop ecophysiology.

Upland cotton is a relatively drought tolerant plant and can grow in a variety of climates. Current varieties were developed based on above-ground traits such as harvest index, boll number, boll weight, seed weight and fiber quality.

"A major limitation to yield is root exploration failing to keep up with boll growth," Narayanan said. "This imbalance between root and shoot activity affects the ability of the plant to fill bolls." Enhancing the cotton root system can help increase a plant's ability to acquire water and nutrients and maintain productivity under most conditions. This study tested genotypes from the major cotton-growing regions in the United States – Western, Southwestern, Midsouth and Eastern.

Cotton varieties Deltapine 14, Station Miller and Southland M1 performed best in the study.



This research was funded by the United States Department of Agriculture (USDA) Agricultural Research Service and Cotton Incorporated. Future studies will verify these results with more

also participated in the study as did Todd Campbell

and Joe Thomas, researchers with the United States

Department of Agriculture Agricultural Research

Service.

genotypes under field conditions and evaluate lint yield in relation to root traits and WUE, as well as verify the results under different soil and water conditions.

The United States plays a vital role in the global cotton market as a key producer and exporter. The USDA Crop Production Summary for 2023 shows 7.06 million acres of cotton were harvested in the United States. In South Carolina, 207,000 acres of Upland cotton were harvested for a production value of \$146,750,000.

"Cotton genotypes that can maintain wateruse-efficiency even when root growth is limited by soil hardpans can be good selections for the southeastern United States," said Om Prakash Ghimire, doctoral student and lead author for a paper about the project.

Hardpans, compacted soil zones that neither roots nor water can penetrate, pose a significant problem affecting plant growth leading to yield losses of up to 50% and making plants more susceptible to drought stress.

Other researchers from Clemson were Walker Spivey, Michael Jones and William C. Bridges. Vasu Kuraparthy from North Carolina State University To help South Carolina cotton farmers profit, Clemson University scientists are involved in several cotton research projects, including:

- Using molecular tools and unique plant germplasm to understand and improve the genetics underlying oil content in upland cotton.
- Developing improved breeding tools, namely DNA markers, germplasm, and enhanced management practices to help boost U.S. cotton production.
- Tweaking cotton genes to develop higheryielding, better-quality cotton.
- Determining how to breed for more sustainable cotton varieties in Earth's ever-changing environment.

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MARKET BULLETIN

CLEMSON PROFESSOR PATENTS VARIETIES TO HELP SAVE VITAL SC INDUSTRY

GIVING PEACHES A CHANCE

BY KEN SCAR, CLEMSON UNIVERSITY

The Clemson University Research Foundation (CURF) is a 501(c)(3) nonprofit founded in 1981. Its offices sit just off campus in a nondescript high-rise that overlooks downtown Clemson's three-block run of shops and restaurants. It is little known, but its impact is significant.

CURF's mission is to advance the research enterprise of Clemson University by supporting faculty and students engaged in research and introducing them to respective industry partners. Basically, they help our professors and students through the legal process of acquiring patents and then marketing those patents to outside industries. To date, CURF has been involved in more than 2,000 innovations created at Clemson.

There is nowhere else at Clemson where such wide-ranging collaboration intersects. A patent can result from teamwork between countless combinations of Clemson agencies: Bioengineering, packaging sciences and physics; computer engineering, graphic communication, and athletics; industrial engineering, economics and education; or any number of others. It is, perhaps, the one place where the true promise of Clemson as a tier-one research school is displayed in full view.

This is the first in a series of stories about some of the groundbreaking innovations shepherded by CURF into patents that are changing the world.

Trees have always surrounded Ksenija Gasic. She grew up in a small village in the northern part of Serbia that had sandy soil that was not typical in the rest of the country. Before World War II, German entrepreneurs capitalized on the land's unique potential by planting orchards and vineyards in the area, which the locals took over after the war. Gasic's father had three small vineyards and planted fruit trees around the house she grew up in.

"I always knew I wanted to work with trees," she says in her thick Serbian accent as she bounces a golf cart down one of the grassy lanes between long lines of peach trees in Clemson's 200-acre

Musser Fruit Research Center. "I had forestry in mind when I was looking at colleges, but the main college was in the country's capital, and I just didn't want to go to the big city. The college in my province was half the size and had a fruit growing and viticulture program, so that became my major."

As a doctoral student, she received a fellowship to go to England for a year to research the germplasm of peaches, which changed her trajectory.

"It was such great material, and I got great results, so I switched my thesis and got a position as an associate professor. That was the beginning of my love affair with peaches."

Ksenija Gasic tends to her peach orchard at the Musser Fruit Research Center, June 20, 2024.

Now, Gasic is the professor of horticulture, peach genetics and breeding for the plant and environmental sciences department in the College of Agriculture, Forestry and Life Science at Clemson University and one of the foremost experts in the world on peach growing and breeding. She and her team, an interdisciplinary group of students, extension agents and researchers naturally called The Peach Team, have spent more than fifteen years developing dozens of variations of peach trees that are resistant to bacterial spot, which, together with the brown rot bacteria is the main enemy of peach growers worldwide.

CURF helped Gasic file patent applications on all three of those variations, EveRes Ruby and CaroRes

Wonder, last year, with a third variation, CaroRes Delight, currently in process.

Chase Kasper, senior deputy director of CURF, said strengthening South Carolina's peach industry is vital to the state's economy, as bacterial spot and brown rot have taken out a significant percentage of South Carolina's peach crops in years past.

"Despite the fact that Georgia has the name of 'Peach State,' South Carolina exports more peaches than any other state on the east coast," says Kasper. "It's also worth noting that the South Carolina state legislature made the peach the official state fruit in 1984."

Kasper said Gasic's patented variations could help

solve the problems plaguing the South Carolina peach industry for decades and keep food on the table for thousands whose livelihood depends on a healthy peach crop every year.

"This is a prime example of a research institution making a significant impact in the real world," he said.

Back in the orchard, Gasic continues her golf cart ride through the trees, stopping frequently to check a tag on a tree or pick and taste a peach. She carries a small kitchen knife to slice wedges off the fruit for tasting. The differences from tree to tree can be

surprising: A peach off one tree might be firm as an apple and taste a little acidic, while a peach off a tree right next to it will be soft and sweet as candy.

Between tastes, she explains how the market for peaches doesn't simply demand that they be juicy and delicious.

"They have to look good, too," she says. "Consumers want peaches that are round and juicy, not brown and misshapen. It takes years, decades to get them to grow just right. There's a science to all of it."

She laughs when asked if she ever gets sick of eating peaches.

"No. I go home and eat more of them!"

USDA FOREST SERVICE ANNOUNCES \$25M FUNDING OPPORTUNITY TO REDUCE WILDFIRE RISK, SUPPORT LOCAL BUSINESSES

WASHINGTON, August 6, 2024 — Today, the U.S. Department of Agriculture's Forest Service is announcing a funding opportunity through the hazardous fuels transportation assistance program to reduce wildfire risk, expand and create market opportunities, and support local jobs. This program is available to local businesses and partners that remove hazardous fuels from national forests and transport the material to be processed for wood products or services.

"The timber and wood products industries help support healthy and sustainable forests," said Agriculture Secretary Tom Vilsack. "Thanks to historic funding from the Biden-Harris Administration, this funding opportunity empowers local communities to create and support jobs while helping the USDA Forest Service implement sustainable forest management practices that reduce wildfire risk and support the Wildfire Crisis Strategy."

Removing hazardous fuels from forests can reduce the risk of wildfires, protects watersheds, and improves forest health and resilience. Hazardous fuels are typically woody material with little commercial value. Although these materials can become useful products or services, the transportation costs are often prohibitive. Without transportation assistance, these materials are often burned in place or not removed from the national forests, increasing the risk of insects, disease, and wildfires that threaten ecosystems, communities and critical infrastructure.

Made possible by the Biden-Harris Administration's Inflation Reduction Act, the grants support wood utilization facilities across the country and the rural economies that depend on them. In 2023, these grants helped remove almost 59,000 tons of hazardous fuels from nine national forests to facilities that produced peeled poles, firewood and animal bedding.

Applications for this grant opportunity will be accepted for 30 days. Public information sessions will be available later and will support organizations in completing the application and answering questions. Project selections will be announced later this year. For more information, visit the Forest Service website at fs.usda.gov/managing-land/forest-management.