



**Richard L. Petcher**  
Regional Extension Agronomist for SWAL  
Baldwin County Extension System  
302A Byrne Street, Bay Minette, AL 36507  
(251)937-7176; Cell (251) 202-1009; SL 7\*145  
Email: [petchrl@auburn.edu](mailto:petchrl@auburn.edu)



# On The Farm

**NEWS LETTER NOVEMBER, 2007**

## **UP COMING MEETINGS**

### **Alabama Agriculture Energy Conference**

Place: Auburn University Hotel and Dixon Conference Center

Date: November 7-8, 2007

This year's conference will feature a host of presentations on topics that include, but are not limited to:

- The Emerging Bioenergy Industry
- The Link Between Water and Energy
- Biofuel Feedstock Logistics
- Energy Innovations on the Farm
- Heat and Power Production from Biomass
- Agricultural Energy Sustainability
- Forest Resources for Bioenergy
- Launching a Bioenergy Business

Check out this year's [agenda](#) for the complete list of topics and speakers. If you have questions or would like additional information, please contact: Kathy Hornsby at (334) 242-5284 or [kathy.hornsby@adeca.alabama.gov](mailto:kathy.hornsby@adeca.alabama.gov) Registration will soon be available on line. CCA point will be awarded for those who register and attend the conference. <http://www.nrmdi.auburn.edu/bio/ADECA/conference/>

ALABAMA A&M AND AUBURN UNIVERSITIES, AND TUSKEGEE UNIVERSITY, COUNTY GOVERNING BODIES AND USDA COOPERATING

The Alabama Cooperative Extension System offers educational programs, materials, and equal opportunity employment to all people without regard to race, color, national origin, religion, sex, age, veteran status, or disability

**Corn Hybrid Selection: “Get Your Name In The Pot Early”**

Place: David’s Catfish House in Atmore

Date: November 13, 2007

Time: 11:30 a.m.

Speakers: Corn Company Representatives will share information concerning their top corn hybrids. The program should be over by 12:30 or 1:00 in order for growers to continue work in the fields. This is a busy time of the year. However, it is not too early to make your corn hybrid selection.

**Southwest Alabama Stored Grain Pest Management Training**

Date: Tuesday December 4, 2007

Place: Volunteer Fire Department in McCulough, Escambia County

Commercial Applicator Pesticide Points will be awarded to those who attend.

Time and Speakers:

9:30 Why Store Grain, and Why Is Pest Management Important? Eric Hall

9:45 Sanitation and grain bin preparation, Kathy Flanders, Extension Entomologist, Auburn University

10:15 Loading, Moisture Content, Warren Griffith, Regional Extension Agent, Alabama Cooperative Extension System

10:45 Aeration, Eric Hall or Kathy Flanders

11:15 Monitoring, Warren Griffith

11:45 Grain Protectants, Kathy Flanders

12:00 lunch

1:00 Empty Bin Treatments, Top Dress Treatments Kathy Flanders

1:15 Fumigation, Kathy Flanders

2:00 Preparing a Fumigation Plan, Kathy Flanders

2:30 Adjourn

**2007 Alabama Corn and Wheat Meeting**

Date: Tuesday, November 27, 2007

Place: Huntsville Marriott, I-565, Exit 15, Adjacent to US Space and Rocket Center

Time: 8:30 a.m. Program concludes with lunch.

Program: Corn Production, Chad Lee, University of Kentucky

Nitrogen Management, Greg Schwab, University of Kentucky

Wheat Production, Dewey Lee, University of Georgia and Leonard Kuykendall, Alabama Cooperative Extension System.

A grower panel will discuss production issues including irrigation and crop rotation.

Seed and chemical representatives will be providing door prizes and will discuss their product lines. Pre-registration is not required; however, if you do plan to attend please call 256-353-8702 ext. 28 by November 21. For additional information, contact Shannon Norwood at 256-412-1696 or Amy Winstead at 256-443-4752.

## **Beltwide Cotton Conference**

Date: January 8-11, 2008

Place: Gaylord Opryland Hotel, Nashville, Tennessee

For more information: <http://beltwide.cotton.org> or call 901-274-9030 and ask for the Beltwide Help Desk. This is an excellent meeting.

### **TIME TO PLACE YOUR ORDER FOR CORN SEED**

University Variety Testing Reports can be very helpful in making your corn hybrid selections for the 2008 planting season. It sometimes is helpful to look at neighboring states as well as our own. The following University Corn Hybrid Web Sites may be helpful:

Auburn University: These tests results should soon be in.

<http://www.alabamavarietytesting.com>

University of Georgia Preliminary 2007 Corn Hybrid Variety Tests:

<http://www.swvt.uga.edu/>

Mississippi 2007 Corn Hybrid Short List:

<http://msucares.com/crops/corn/index.html>

Louisiana Top Corn Hybrids across 5 Locations: This might be helpful especially to growers in Baldwin and Mobile Counties.

[www.lsuagcenter.com](http://www.lsuagcenter.com)

### **Corn Companies Top Hybrids For 2008**

Besides the University Variety Test there are also many company corn hybrid tests. Below is the list of top corn hybrids each company has to offer growers in Southwest, Alabama. Unfortunately, I was not able to get a list from every company. However, this list should be helpful. .

#### **Croplan Genetics Top Corn Hybrids For 2008**

##### **Mike Daughtrey**

Croplan Genetics 799RR, 117 days to relative maturity.

A proven variety in AL and Ga. Very good root and stalk strength, rapid dry down, a good flex ear with good test weight. Responds to fungicide application. Good dry land or irrigated.

851RR and BT and conventional and triple stacked RR, Bt and Corn Root Worm. 118 day relative maturity. Performs well in this area. Reponds well to fungicide treatment. Dry land or irrigated.

6831RR, This hybrid comes in Roundup, RR Herculex, RR BT and triple stacked. 112 day rm 2006 was second place in the NYCG Contest in Georgia in 2006 and first place winner NYCG Contest in Georgia in 2007. Both tests were irrigated.

1167 RR, 116 days to relative maturity. It is the dry land work horse. Very drought tolerant.

All new Tropical, 9009RR, 120 days to relative maturity.

Dry land plant population 18-24 K. 26-30 K irrigated. All of these varieties ears will flex.

### **Dekalb Corn Top Hybrids for 2008 Rod Higdon**

DKC 69-72 RR, 119 day, good dry land, good stalk strength, good disease package, tolerance to Southern Rust and Southern Leaf Blight.

DKC 69-71 RRYG, 119 day good dry land, good stalk strength, good disease package, tolerance to Southern Rust and Southern Leaf Blight.

DKC 67-23RR, 117 day, good disease package, good dry land or irrigated.

DKC 69-43, 119 day, good disease package, a shorter stalk hybrid with good yields.

### **Dyna Gro Top Corn Hybrids For 2008 Ryan McKenzie**

DG 58K40 RR is McKenzie's number 1 choice. It is a 117 day variety. It is one of the highest yielding varieties in South Alabama tests with Auburn University. 58K40 is resistant to Southern Leaf Blight and stalk rot. It does well in years of common and Southern Rust. It has excellent stand ability and grain quality. It is suited for grain or silage. 58K40 is at home dry land or irrigated.

58P45 is the stacked bt/rr version of 58K40. It is a 120 day maturity.

58K02 RR is a new 119 day hybrid. It has a very good disease package. McKenzie recommends keeping this one under irrigation when possible. 58K02 has a very high yield potential.

### **Pioneer Corn Top Hybrids for 2008 Rob Duffield and Ken Mcleod**

33V14 RR2 – Also available as a YieldGard/RR2 version called 33V16. It is a 114 day workhorse hybrid that excels across all soil types. Plant dry land only. Dark orange colored grain with high test weight. Good disease package makes it suited

to plant in corn after corn situations. Good stand ability. Harvest plant population 24-26,000 dry land.

33M53 RR2 – Also available as a Herculex1, LL, RR2 version called 33M57.

It is a 114 day hybrid that excels both dry land and irrigated. Dark orange colored grain with high test weight. Good disease package makes it suited to plant in corn after corn situations. Plant this as a companion hybrid to 33V14 RR2. Good stand ability. Harvest plant population 24-26,000 dry land, 28-32,000 irrigated.

31N26 RR2 – Also available as a plain or conventional hybrid called 31N27.

It is a 117 day hybrid capable of tremendous yields under proper irrigation management. Plant it under irrigation only. Dark orange colored grain with high test weight. Good disease package makes it suited to plant in corn after corn situations. It has excellent stand ability. Harvest plant population 28-32,000 irrigated.

31P41 – This is a plain or conventional hybrid (no technology).

118 day conventional hybrid suited for both dry land and irrigated conditions. Always plant this one on the late side of the planting window. It has excellent stand ability. Good disease package makes it suited to plant in corn after corn situations. Harvest plant population 24-26,000 dry land, 28-32,000 irrigated.

### **Terral Seed Company Top Corn Hybrids for 2008 Trey Cash**

26BR41 This hybrid topped the Central Louisiana 2007 Dry Land Corn Hybrid Test.

116 days to relative maturity. Excellent yield in dry land or irrigated. Good root and stalk strength, good shuck coverage and excellent drought stress. It is very tolerant to Northern and Southern Leaf Blight. Harvest plant stand 26-28,000 dry land and 31-34 K irrigated.

25BR23 It has a 114 day relative maturity. It has a semi-flex ear type. Plant population range 26-28 K dry land and 29-31 K irrigated. Excellent stalk strength and drought stress. It is adapted to all soil types.

25BR71 117 day relative maturity. Plant population 26–28 K dry land and 29-31 K irrigated

This hybrid is broadly adapted across the South. Excellent late season health (mature ear on green plant).

25R31 Roundup only.

115 day relative maturity. Plant population 26-28 K dry land and 29-31 K irrigated. Roundup Ready high yield champion. Semi-flex ear, excellent for dry land. Excellent stalk and drought stress.

(BR is stacked Bt and Roundup and R is Roundup Ready Corn 2, R is Roundup only).

## APPLIED SCIENCE REPORT

On Farm variety testing research can be very helpful and make good field demonstrations for agronomic practices in our area. Research is conducted at the university and research stations. These however, are done on grower's fields and typically on a larger scale. Often they are as much a part of a verification program for our area as they are research.

### Corn Hybrid Test 2007 for Southwest Alabama

Cooperator: Rod Richardson in Washington County

Regional Extension Agent: Richard L. Petcher

Planting Date: March 15, 2007

Harvest Date: August 21, 2007

Weather Conditions: Drought caused an approximate 30 % yield loss.

This was a single strip demonstration. Plots were not replicated.

Corn Hybrid	Seed Insecticide	Relative Maturity	Yield in Bushels per acre Adjusted to 15.5 % Moisture
Croplan 799RR2	Poncho 250	117 days	112.5
Dekalb 6971 RR2/YGCB	Poncho 250	119 days	99.11
Dekalb 6943 RR2	Poncho 250	119 days	99.60
Dyna-Gro 58K02RR2	Poncho 250	119 days	98.20
Croplan 8221 RR2YG	Poncho 250	119 days	97.78
Pioneer 31G97RR2	Poncho 250	119 days	96.70
Pioneer 33M53RR2	Poncho 250	114 days	96.33
Dyna-Gro 58P45 RR2YGCB	Poncho 250	120 days	88.63

Sponsors: The Alabama Wheat and Feed Grain Commission with ALFA Farmers Federation., Croplan Genetics, Dekalb, Dyna-Gro and Pioneer Corn Companies.

## Corn Fungicide Test 2007

**Cooperator: Larry and Brad Ward**

**Location: Escambia County**

**Planting Date: March 15, 2007**

**Harvest Date: August 8, 2007**

**Extension Agent: Richard L. Petcher, Regional Agronomist**

**Sponsors: Frank Moore with Syngenta and William Reed with BASF**

The corn hybrid was Dekalb 6760RR, which has an excellent disease package. The corn was irrigated. Fungicide treatments were applied at early tassel on June 6, 2007. Fungicides were applied by air in 50 ft. swaths on 150 ft. intervals. The treatments were Headline at 6 oz. and then Quilt at 14 oz. with an untreated check between each application. No diseases were present at application. Three weeks later disease levels were very low in both the treated and non treated areas. Just prior to harvest Southern Leaf Blight and Southern Rust were present at low levels. Planted on 38 inch row patterns. Six rows 400 ft. long were harvested from each plot. Harvested plot was 0.1745 acres.

Plots:	harvest wt	moisture	Yield in Bu/Acre 15.5 % Adjusted Moisture
1. Headline	2050	24.7	186.94
2. Check	2116	25.3	191.42
3. Headline	2238	25.9	200.83
4. Check	2302	25.8	206.86
5. Headline	2362	25.5	213.11
6. Check	2266	25.3	204.99
7. Quilt	2232	26.2	199.48
8. Check	2276	26.0	203.97
9. Quilt	2412	26.0	216.16
10. Check	2326	26.0	208.45
11. Quilt	2262	26.0	202.71
12. Check	2460	29.5	210.03

**Results:** In this test there were little to no differences in the treated verses non treated plots. Disease pressure was very low at time of treatment. The corn hybrid being treated had a very high disease resistance package. Studies in neighboring states showed similar results. When diseases are present or coming soon, however, a fungicide treatment would be beneficial.

Cotton Loan Rate

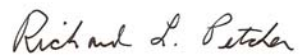
The website for the 2007 Cotton Loan Pricing is:

<http://www.cotton.org/econ/govprograms/cccloan/ccc-upland-discounts.cfm>

This is from the National Cotton Council Webpage.

Again, I hope this information has been helpful to you.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Petcher".

Richard L. Petcher  
Regional Extension Agent  
Agronomic Crops