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Late Planted or Late Emerged Cotton

This has been one of the harshest seasons for cotton and peanuts for dryland farmers in recent memory. It is estimated that 25-30% of the cotton fields were not in bloom by the last week of August. Cotton normally sets fruit over an eight week period (July-August). Almost 3/4 of the yield is from bolls set during the first three weeks of bloom in the first and second position along the main stem. A general rule of thumb has been that the last viable bloom for a boll that contributes to yield is the first week of September. With blooming starting so late, many of the late planted or late emerged fields will be very low yielding or will not make a yield at all. Management of normal cotton for late set bolls is often not a good decision as they often contribute less than 5% of the yield and jeopardize the remainder of the crop. Bolls on the upper nodes seldom mature if they bloom after early September and they contribute little to the total weight of the cotton crop. As it changes pH quicker than dolomite even though final yield is usually not impacted.

Wheat Varieties for 2011-12

With wheat prices at record highs many growers are considering planting wheat this fall prior to peanut or cotton next year. Variety selection is one of the most important decisions to be made for yield potential. There are several varieties that have good yield potential and pest resistance including AGS 2026, AGS 2035 and an early maturing AGS 2060 which would fit for late planting: USG 3021 which could be planted late due to short vernalization requirement: Pioneer 26R61 is one of the standard varieties and responds to fungicide applications in most years: SS 8641 is later maturing and should be planted early. AGS 2000 and USG 3209 have been the standard varieties for years and will still yield well if management is used including insecticide applications at plant for other races of Hessian fly and fungicides at flag leaf stage. Variety test information can be found at http://www.swvt.uga.edu/small.html
Winter Forage Selection for 2011-12

Planting of winter annuals offers the opportunity to graze during winter and early spring when warm-season grasses like bahiagrass, bermudagrass, or limpograss (mostly in south Florida), are dormant. The quality of cool-season forages is higher than that of the dormant grasses, and they provide an alternative to expensive hay and supplements. They can be overseeded into the warm-season sod, or planted into a prepared seed bed.

Different factors and environmental conditions affect the choice of winter grasses or legumes to be planted and they include winter hardiness, drought tolerance, soil moisture requirement, grazing tolerance, palatability, and disease pressure resistance. Winter forage options for Florida are limited to winter annual grasses and legumes. Florida’s latitude does not allow to grow perennial grasses like Fescue.

The selection of winter forages for Florida includes annual ryegrass, the small grains (oats, rye, triticale, and wheat), the annual clovers (crimson, ball, berseem, burr medic), and white and red clover that are short lived perennials elsewhere but in Florida they need to be planted annually. For most of the clovers pH needs to be 6.0 or 6.5, so liming for most Florida soils will be needed.

- Oat: it is the most palatable of small grains but it is also the least winter hardy option. Recommended varieties for Florida include: RAM LA99016, Horizon 201, Plot Spike LA 9339, and SS76-40.
- Rye: this small grain is the most winter hardy and drought tolerant. Recommended varieties: Florida 401 (for early grazing or use in blends), AGS 104, Wrens 96, Wrens Abruzzi, Bates, Oklon, Wintergrazer 70, and Early Graze.
- Triticale: This is a productive and disease resistant small grain mostly used for silage and grazing. Recommended varieties: Trical 342 and Monarch (for silage, or grazing when used in blends with ryegrass or other small grains), and 2700 (for grazing).
- Wheat: Produces mainly in spring (varieties are several, among them SS8641, USG 3592, and Pioneer 26R61—need to use Hessian Fly resistant varieties.
- Annual Ryegrass: this cool-season forage is not a small grain, and has high soil moisture requirements. Recommended varieties: Early Maturity: Attain, Big Boss, Bulldog/Grazer, Diamond T, Flying A, Prine, Rio, TAMTBO, Early Ploid, and Nelson. Late Maturity: Attain, Big Boss, Jumbo, Prine, Rio, TAMTBO, Verdure, Ocala, Nelson, Early Ploid, Passeral Plus, and Marshall. Other ryegrass varieties, such as Florlina, Surrey II, Jackson, Big Daddy, Ed, TAM 90, Brigadier, Fantastic, Graze-N-Gro, King, and Beefbuilder III have also performed well in regional trials.

(Continues next page...
Winter Forage Selection (...Cont)

Winter Legumes:

- Crimson: early producer. Recommended cultivars: Dixie, and AU Robin.
- Ball: Adapted to sandy loam to clay soil types. Prefers low wet areas. Varieties: Common, Segrest.
- Berseem: This clover lacks cold tolerance and it has tolerance to poor drainage. Recommended cultivars: Bigbee, CW9092.
- Burr Medic: This winter legume is adapted to areas with mild winters. Good drought tolerance. Recommended cultivars: Armadillo, Devine (have performed well in north-central FL).
- Red Clover: adapted to loam, clay loam well drained soils with good moisture. Recommended varieties: Southern Belle (with Root-Nematode-Resistance), Barduro.
- White Clover: requires high soil moisture, and it is late producing. Recommended varieties: Osceola, Occoe (both developed in Florida), Louisiana S-1, Regal Ladino. Durana and Patriot are well adapted but have a prostrate habit and lower initial forage yield.
New Forages of Florida Android App

The Android free app for the Forages of Florida website is now available! Just click the Mobile link added to the top blue bar of the Forages of Florida site, and it will direct you to the correct location.

You can also select from the following resources:

- **Android phone app**
  
  View information about Florida Forage plants from your Android phone. Either search for Forages of Florida with the Market app on your phone, or click this link in your phone’s browser:


- **Forages of Florida for other phones or tablets**
  
  If you do not have an Android phone, click this link in your mobile device’s browser to view information in a mobile friendly format:

  http://agronomy.ifas.ufl.edu/ForagesofFlorida/mobile/site/index.php
Aminopyralid Carryover

Aminopyralid (the active ingredient in Milestone, Chaparral, and GrazonNext) has become a commonly used herbicide in Florida pastures. This herbicide provides control on many weed species while also delivering a significant amount of soil activity.

Although these herbicides have been very successful in pastures, we see incidents each year with carryover to rotational crops. The most sensitive are solanaceous (tomato, pepper, eggplant) and legume crops (clover, peanut, soybean). Injury on solanaceous crops can be leaf cupping (Figure 1), strapping, and diminished growth (Figure 2). In peanut, the symptoms are generally leaf rolling (Figure 3). Regardless of what symptoms you observe, the effect on the crop can be quite dramatic. If any of these symptoms are observed, it is likely that crop yield will be reduced – if it yields at all.

Due to carryover concerns, most aminopyralid herbicides have been designated for use on “permanent grass pastures”. Because of this, limited data exists for how long one must wait between application and planting of a sensitive rotational crop. Our experience in Florida is that one should wait 3-5 years before planting any solanaceous crop and at least 2 years for legume crops or melons. However, it is still possible to observe injury from aminopyralid in fields that were not treated with aminopyralid (see below for more information on this).

We have observed situations where a field received a broadcast application of aminopyralid that caused injury across the field when the rotational crop was planted (remember, the label states permanent grass pastures). But more commonly we see issues were the injury is spotty. This is likely to occur from one of two reasons: 1. Spot treatment. When spot treating, most individuals mix a relatively potent herbicide solution and spray a significant amount on the individual weeds. This causes abnormally high soil concentrations that are easily observed the next year. 2. Moving treated hay into an untreated pasture or moving cattle that have consumed aminopyralid-treated forage into a field. Aminopyralid is fairly persistent in grass hay.
Aminopyralid Carryover ...(continuation)

There is no harm to the cattle from ingesting aminopyralid, nor does it enter their milk supply, so the grazing and haying restrictions are 0 days. However, after ingesting aminopyralid treated hay, the active herbicide is released in manure and urine rather quickly. Again, this concentrates the herbicide onto small areas and increases the likelihood of carryover. If you pasture cows on a treated field and then move them, it is possible to see damage to forage legumes in the second field after the cows release waste. Additionally, sitting aminopyralid-treated hay bales in fields can result in the herbicide leaching out of the hay and into the soil.

Aminopyralid is a highly effective herbicide that holds many benefits for forage and animal producers across Florida. But if aminopyralid is being utilized, it is important to be aware of the risks associated to potential rotational crops. It should not be applied broadcast to areas that will be used for crop production in the near future. Additionally, if you are leasing land, make sure you ask if aminopyralid (GrazonNext, Milestone, Chaparral) have been used. With commodity prices high, pasture land is increasingly being converted to crop production. Having a carryover issue is a very bad way to start the cropping season.

Calendar

To follow the link, press “Ctrl” and put cursor over link, and “click.”

Sep. 9th  12th Annual Soil and Water Science Research Forum, Gainesville, FL
http://soils.ifas.ufl.edu/forum/

Sept. 15th  11th Annual Florida Equine Institute & Allied Trade Show, Ocala, FL

Oct. 3-5  Southeast Herbicide Applicator Conference, Panama City Beach, FL
http://conference.ifas.ufl.edu/sehac/index.html

Oct. 16-19  American Society of Agronomy Annual meeting, San Antonio, TX
https://www.acsmeetings.org
**Sugarcane Root Weevil (Diaprepes abbreviates) and Weeds**

The sugarcane root weevil, *Diaprepes abbreviates*, is considered an important pest of sugarcane in several regions. In Florida, the presence and spread of *D. abbreviates* in sugarcane in the Everglades Agricultural Area (EAA) where most of the sugarcane is grown has not been reported in the recent past. However, recently two infestations of *D. abbreviates* at two distinctly separate locations 31 miles apart in the EAA have been observed. These infestations have resulted in damage to sugarcane. Damage to sugarcane including stunting, lodging, and upturned stools is attributed to grubs of *D. abbreviates*. Adults of *D. abbreviates* do not cause any damage to sugarcane but have been found in the vicinity of commercial sugarcane fields in association with weeds such as sickle pod and coffee senna. Sickle pod and coffee senna are typically found in open spaces in sugarcane fields associated with poor stands or along field edges during the summer months. Given that *D. abbreviates* occurrence is not well documented in the EAA, it is unclear what the feeding preferences of adults are with regard to other weed species. In order to forestall the spread of *D. abbreviates*, it is critically important to control weed species such sickle pod and coffee senna in sugarcane fields or along field edges especially in the summer months when these species are prevalent. These weed species can be controlled by spot spraying in open spaces in sugarcane using a tank-mix of 2,4-D and glyphosate, and along field edges using the same combination.  

*(All Photos by Dennis Odero)*

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Figure 1: Adult *D. Abbreviates*.

Figure 2: Sicklepod in a sugarcane field.

Figure 3: Sickle pod leaf damage from *D. Abbreviates*.

Figure 4: Coffee senna leaf damage from *D. Abbreviates* adult in a sugarcane field.
EPA Announces New On-line Label Search Site

EPA is releasing a new Pesticide Product Label System (PPLS) Web application. PPLS is a collection of over 170,000 current and historical pesticide product labels that have been approved by EPA's Office of Pesticide Programs under the Federal Insecticide, Fungicide, and Rodenticide Act. This new version of PPLS contains many enhanced features to help users locate the labels they need. Using the new system, you will be able to:

- Search by product name
- Search by company name
- Search by EPA Registration Number
- View labels in PDF format
- Search label content
- View the history of products that have been transferred from one company to another

This improved Web application can be viewed at [http://www.epa.gov/pesticides/ppls](http://www.epa.gov/pesticides/ppls).

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**Product Labeling**

The Pesticide Product Label System (PPLS) provides a collection of pesticide product labels (Adobe PDF format) that have been approved by EPA under Section 3 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

**Find a Pesticide Product Label**

Below are three options to help you locate labels.

**Product Name:**

Enter the name of the product. As you type, options will be presented to you. Keep in mind that product names may vary, so if you don't find the product you are looking for, try the **EPA Registration Number Search** below.

**Company Name:**

Enter the name of the company. Some companies may have several divisions that manufacture and market pesticides products. You can select among these divisions using the drop-down list or choose the root of the company name (e.g., "Bayer" or "3M") to see products associated with all of the divisions.

**EPA Registration Number:**

The EPA Registration Number (EPA Reg. No.) appears on all registered pesticides sold in the United States. It is usually found on the back panel of