

## **WEED CONTROL IN BXN COTTON WITH BUCTRIL AND COMMAND**

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addition of Bladex + MSMA to the Buctril system improved yields to 1,448 lb lint/A.

### **Abstract**

There is a decreasing interest in PPI herbicide treatments due to increased costs to the grower, inconsistent grass control, the development of resistance, delays due to weather, post-emergence technology, and environmental concerns.

### **Introduction**

Prowl PPI, Cotoran PRE, Buctril EARLY POST, followed by Bueno + Bladex at LAYBY is a commonly used herbicide program utilized in BXN cotton. Elimination of a PPI herbicide is of great interest to growers. Trials were conducted at Rocky Mount and Leiwston ,NC. In these trials, this system is compared to Command + Reflex PRE, Buctril EARLY POST, followed by Bueno + Bladex at LAYBY.

### **Discussion**

Buctril improved control of Palmer amaranth to 85% with all soil applied programs. Bladex + MSMA did not provide any additional control. Soil applied treatments provided less than 63% control of volunteer peanuts. The addition of Buctril to the system increased control to 83%. Bladex + MSAM did provide additional control in these trials. Buctril gave excellent burndown of common ragweed, ivyleaf and pitted morningglories. The addition of Bladex + MSMA improved control of morningglories but not ragweed.

### **Summary**

Prowl and Command systems provided similar levels of control for large crabgrass and broadleaf signalgrass. Prowl provided better control of pigweed than Command. No soil applied system provided adequate control of Palmer amaranth. At the Rocky Mount location, soil applied only treatments could not be harvested. The addition of Buctril to these systems increased yield to 786 lb lint/A. The addition of Bladex + MSMA to the Buctril system improved yields to 895 lb lint/A. At Lewiston, soil applied only treatments yielded 148 lb lint/A. Prowl + Cotoran yielded 590 lb lint/A. The addition of Buctril to these systems improved yields to an average of 1,227 lb lint/A. The