

2010-11 PFT Success Report

Title: Weed Management in Field Crops

PFT: Crop Production

The Situation

Weeds cause tremendous economic loss in cropland each year due to reduced crop yields, cost of control, harvest related issues, and lower value of harvested crop. Weeds have developed herbicide resistance from the lack of integrated weed control practices which result in lower crop yields, increased cost of control, and reduced profitability. Inappropriate use of herbicides can result in environmental concerns from off target movement and contamination of our natural resources.

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What We Did

Weed management information was presented in various venues, including Weed Management Schools, Crop Production Updates, Experiment Field Days, County Plot tours, Crop Diagnostic Schools, websites, news releases, media interviews, and individual contacts by state, area, district and county extension personnel, along with KSU research and teaching faculty.

Outcomes

Best management practices for cost effective and sustainable weed management was conveyed to farmers, crop advisers, agency personnel and the general public. Practitioners and crop advisers improved their understanding of sustainable weed management practices than minimize the impacts of weeds on field crops and maximize long-term profitability.

Success Story

Post-meeting surveys of 154 participants representing approximately 860,000 acres of cropland at six of the 10 weed management schools this past year indicated that the knowledge gained from the meetings would increase profitability more \$4.25 per acre for a total of more than \$3.5 million.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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