



United States Department of Agriculture  
Risk Management Agency

November 2006

## 2006 COMMODITY INSURANCE FACT SHEET

# Grain Sorghum—Crop Revenue Coverage North Carolina

**Crop Revenue Coverage (CRC)** provides revenue protection against a decline in market prices as well as a shortfall in production. The CRC guarantee is in dollars. A loss occurs when the dollar value of your production falls below your CRC dollar guarantee. CRC provides protection whether prices rise or fall:

- In a year of rising prices, production shortfalls are compensated at the higher market-based harvest price. This is important if lost production must be replaced at higher market prices for on-farm feeding or to fulfill delivery on a forward contract
- In years of falling prices, your minimum guarantee ensures that you will receive a pre-determined amount of income per acre, regardless of yields or prices.

### Counties Available

Grain sorghum CRC insurance is readily available in most North Carolina counties. Acreage in other counties may be insured if specific criteria are met. Consult a crop insurance agent for details.

### Causes of Loss

Adverse weather conditions<sup>1</sup>  
 Failure of irrigation water supply<sup>2</sup>  
 Fire  
 Harvest price less than base price  
 Insects<sup>3</sup>  
 Plant disease<sup>3</sup>  
 Wildlife

<sup>1</sup>Natural perils such as hail, frost, freeze, wind, drought, and excess moisture. <sup>2</sup>If caused by an insured peril. <sup>3</sup>But not damage due to insufficient or improper application of recommended control measures.

### Insurance Period

Coverage usually begins when the insured crop is planted and ends the earliest of: (1) destruction of the crop, (2) harvest of the crop, (3) abandonment of the crop, (4) final adjustment of a claim, (5) December 10, 2006.

### Important Dates

Sales Closing .....February 28, 2006  
 Earliest Planting Date.....April 16, 2006  
 Final Planted Date..... June 15, 2006  
 Acreage Report Due..... June 30, 2006

### Definitions

**Coverage Level**— Levels of protection available are from 50 to 75 percent of your approved average yield.

**Base Price**—The price used to calculate the minimum guarantee and the premium, based on the December Chicago Board of Trade (CBOT) futures average daily price during the period December 15, 2005 — January 14, 2006.

**Minimum Guarantee**—The guaranteed minimum dollar protection is the average yield X base price X coverage level percent:

Example: 60 bushels per acre X \$2.20 X 75 percent = \$99 per acre minimum guarantee

**Harvest Price**—The price used to determine calculated revenue and harvest guarantee is based on the December CBOT futures average daily price during the month of August 2006.

**Harvest Guarantee**—Average yield X harvest price X coverage level percent:

Example: 60 bushels per acre X \$2.00 X 75 percent = \$90 per acre harvest guarantee

**Calculated Revenue**—Value of your production determined by bushels produced X harvest price:

Example: 20 bushels per acre produced X \$2.00 = \$40 per acre calculated revenue

Note: The actual price you receive for selling your crop is **not** a factor in CRC calculations.

**Final Guarantee**— Higher of the minimum or harvest guarantee.

Note: Your premium will **not** increase if final guarantee is higher than the minimum guarantee.

**Indemnity:** Final guarantee – calculated revenue

Example: \$99 – \$40 = \$59 per acre indemnity

## Price Elections

YEAR	BASE PRICE*	HARVEST PRICE**
2006	2.14	2.07
2005	2.10	1.99
2004	2.43	2.16
2003	2.30	2.09

\* Available after January 14, 2006.

\*\* Available after August 31, 2006.

Price elections will be posted on the RMA website at:

<http://www3.rma.usda.gov/apps/pricesinquiry/>

## Insurance Units

Your insurable acreage is grouped into a unit based on your selection of one of the following unit arrangements.

**Basic Unit:** A basic insurance unit includes all of your grain sorghum acreage in the county by share arrangement. For example, the sorghum acreage on your own farm (including land cash rented) would be one basic unit, while other land on shares with someone else would be a second basic unit. Premiums are reduced 10 percent for a basic unit.

**Optional Units:** If a basic unit consists of two or more farm serial numbers (FSN) and certain record-keeping criteria are met, you may select optional units by FSN. The 10-percent basic unit premium discount will not apply.

**Enterprise Unit:** An enterprise unit combines all your grain sorghum in the county into one county-wide unit, regardless of ownership, share, or rental arrangement. A varying premium discount will apply, based upon the number of insured acres. You must qualify for two or more basic/optional units in order to be eligible for an enterprise unit.

## Loss Example

This example assumes an average yield of 60 bushels per acre, base price of \$2.20, harvest price of \$2.00, production-to-count of 20 bushels per acre, basic unit, and 75-percent coverage level.

60	Bushels per acre approved yield
x .75	Coverage level
45	Bushels per acre guarantee basis
x 2.20	Base price per bushel
\$99	Minimum guarantee per acre

When the harvest price is announced in November, a harvest guarantee is calculated. The final guarantee is the higher of the minimum or harvest guarantee.

Harvest guarantee per acre = \$90  
(45 bushels per acre X \$2.00 harvest price)

\$99	Final guarantee per acre (higher of minimum or harvest guarantee)
– 40	Calculated revenue (20 bushels per acre produced X \$2.00 harvest price)
59	Indemnity per acre
– 6	Approximate cost per acre
<b>\$53</b>	<b>Net indemnity per acre</b>

Note: In most years, the harvest price will likely be less than the base price; thus, the harvest guarantee is usually less than the minimum guarantee. Occasionally, the harvest price will be greater than the base price, resulting in the larger harvest guarantee becoming the final guarantee.

## Download Copies from the Web

Visit our online publications/fact sheets page at:  
[http://www.rma.usda.gov/aboutrma/fields/nc\\_rso/](http://www.rma.usda.gov/aboutrma/fields/nc_rso/)

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination write to: USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.