



**2018 Seed Cotton Generic Base
and Payment Yield Updating
Calculator**

**University of Georgia, CAES
Developed by
National Center for Peanut Competitiveness**



**College of Agricultural &
Environmental Sciences
UNIVERSITY OF GEORGIA**

"2018 Seed Cotton Generic Base and Payment Yield Updating Calculator"

National Center for Peanut Competitiveness (NCPC)

February 13, 2018

The NCPC's calculator program is a Microsoft Excel spreadsheet that utilizes "macros". Before the spreadsheet can be used, one will need to enable the use of Macros. The spreadsheet starts with worksheet entitled "Start Sheet." On this worksheet, you will find the initial guidelines. You will need to follow the steps in numerical order. Each worksheet also has steps spelled out and one will need to follow those steps in numerical order. The calculator was developed by the NCPC after reviewing the text of the seed cotton provision in the recently passed budget agreement and disaster aid package. The contents followed the procedures outlined in the 2014 Farm Bill for the other covered commodities payment yield updating and base reallocation provisions. Thus, the NCPC was able to utilize their previous calculator built in 2014 that was based on the 2014 Farm Bill. The calculator deals with an individual farm serial number (FSN) that may have from one producer to many producers. USDA has defined the normal base on a FSN as "contract" base. The spreadsheet program will provide the producer what the FSN bases will be for Option 1 and Option 2 when allocating the generic base to seed cotton base and/or the other covered commodity bases like corn and peanuts. The calculator assumes that the FSN has enough effective cropland to cover the payment acres accounting for any fruit/vegetable/wild rice exclusions.

Important: While entering the data into the various spreadsheets, an error can occur where you enter data for

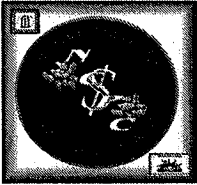
the wrong covered crop or year or simply a wrong number. If this occurs, please highlight that cell with the wrong information and hit the "delete" key on your keyboard. Do not use the space bar or the Backspace key to delete a wrong entry as this will cause an error in the calculations and an error message will appear. Always use the "delete" key to remove wrong entries.

Before entering any data into the spreadsheet, you need to obtain from FSA the 2018 FSA-156 EZ and all of the FSA 578 forms for crop years 2008-2012 for your respective 2018 FSNs. The FSA 156EZ form provides the base acreage, cropland acres, and the respective CC yield (i.e., payment yield) by covered crop and cotton lint. Certified acres are found on the FSA 578 form. This data is used in Step 5. All of the Steps after Step 5 do not require any inputting by the producer. The rest of the Steps use the inputted values from the prior Steps to perform the necessary calculations.

Important: *If a producer discovers that they have inputted some incorrect numbers, they will need to go back to the Start Sheet. They will then need to go to the appropriate Step to make the correction. After the correction(s) is made, they will need to follow the rest of the instructions in that Step (including the Save) which at the end sends them back to the Start Sheet. They will need to repeat the successive Steps for the corrections to be incorporated into the calculations. The last Steps allow one to print the final base allocations for the FSN. Once completed, the spreadsheet allows the producer to start fresh with a new FSN.*

If one has any questions, please contact:
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Before starting this spreadsheet program, please make sure that you have read the worksheet "Intro" to fully understand the calculator.

Go To Intro Sheet

This spreadsheet uses Macros. First time this spreadsheet is opened, please enable the use of Macros and then save it on your computer Desktop before proceeding to Step 1. The file name will be "2018 Seed Cotton Generic Base And Payment Yield Updating Calculator.xlsm" Since Macros are embedded into this spreadsheet, you may need to save it as an embedded macro spreadsheet.

Step 1. Please click **Start** It will create a new folder called "2018SeedCottonBase" under C: Drive

Step 2. **Input Your 2018 Farm Serial Number (FSN)**

Step 3. **Click on the Start button and you will be prompted to click on the Start button.**

Step 4. FSA-156 EZ Form Input This Step 4 allows you to input your bases and CC yields for each of the tracts associated with this FSN based on your FSA-156EZ. If the 2018 FSN did not exist for all of the previous years of 2009-2012, you will need to obtain the Tract level information for the years 2009-2012.

	Step 5a.	Step 5b.	Step 5c.	Step 5d.	Step 5e.
Step 5. FSA-578 Form Input	2012	2011	2010	2009	2008

Step 6. Acreage Summary Sheet

Step 7. Cotton Yields Sheet

Step 8. 2018 Seed Cotton Base Sheet

Step 9. Final Seed Cotton Base Decision

Version 1, Feb 13, 2018 The calculator was developed by the NCPC after reviewing the text of the seed cotton provision in the recently passed budget agreement and disaster aid package. The contents followed the procedures outlined in the 2014 Farm Bill for the other covered commodities payment yield updating and base reallocation provisions. Thus, the NCPC was able to utilize their previous decision aid built in 2014 that was based on the 2014 Farm Bill. Funding for the development of this decision tool was from Georgia peanut producers checkoff to the Georgia Peanut Commission and the National Peanut Board. Funding from peanut producers of Alabama, Florida, Mississippi and Texas also aided in the development of the decision aid.

- 2018 FSN Serial Number
- Step 1. How Many Tracts Under This FSN **Added** Enter the Total Number of Tracts for This FSN
- Step 2. Click the Add Tracts Button **Added** This Creates the Number of Tracts for Each Worksheet Needed for Inputting the Data
- Step 3. Input Each Tract Number and the Associated Base Acreage by Crop. For CC Yield, only cotton CC Yield is required and input the 2013 cotton CC Yield for the respective tract.
- Step 4a. Click the Summary Button **Summary** To Get Summary of Base Acreage and Weighted CC Yield for the FSN After Completing the Tract Data.
- Step 4b. Double Check the FSN Base Acreage and the cotton CC Yield that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
- Step 5. Click the Save Button **Save** To Save All Data Input for This FSN.
- Step 6. Click the Start Sheet Button **Start** To Go Back to the Start Sheet

Total (1)				
Tract	FSN Summary		Tract1	
2018 Tract Number #	FSN=0			
Covered Crops + Cotton(Generic)	Base Acreage	CC Yields	Base Acreage	CC Yields
Barley				
Chickpeas				
Corn				
Dry Beans				
Dry Peas				
Grain Sorghum				
Lentils				
Long Grain Rice				
Medium Grain Rice				
Oats				
Other Oilseeds				
Peanut				
Soybeans				
Wheat				
Generic(Cotton)				
Total Base Acres				

Note: (1) Existing Base Can Be Found on Form FSA-156EZ for that FSN and the Associated Tracts.

- 2018 FSN Farm Serial Number(s)**
- This FSN Total of Tracts Number(s) are Please Check to See That the Number of Tracts Matches the Number Reported Earlier for This FSN. If the 2018 FSN Did Not Exist for 2012, You Will Need to Obtain the Tract Level Information for Those Tracts for the Year 2012
- Step 1. Click Copy Tracts Button This Will Copy the Number of Tracts for Each Worksheet Needed for Inputting the Data
- Step 2. Input Each Tract Number's 2012 Planted and Prevented Planted Acres. For Proven Yield, Only Cotton Yield Is Required And Input The Cotton Yield for the Respective Tract.
- Step 3a. Click the Summary Button To Get 2012 FSN Summary of Planted and Prevented Planted Acres and the Weighted Proven Yield by Cotton ONLY
- Step 3b. Double Check the FSN Planted and Prevented Planted Acres that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
- Step 4. Click the Save Button To Save All Data Input for This FSN.
- Step 5. Click the Start Sheet Button To Go Back to the Start Sheet

Tract	FSN Summary		Tract1		
2018 Tract Number #	FSN #		Tract1		
Associated Tract Number for 2012 if 2018 Tract Number did not exist in	FSN #		Tract1		
Covered Crops + Cotton	Planted & Prevented Acres	Proven Yields	Planted Acres	Prevented Acres	Proven Yields
Barley					
Chickpeas					
Corn					
Dry Beans					
Dry Peas					
Grain Sorghum					
Lentils					
Long Grain Rice					
Medium Grain Rice					
Oats					
Other Oilseeds					
Peanut					
Soybeans					
Wheat					
Cotton					
Total Crop Acreage					

Note: (1) Planted and Prevented Planted Acres Can Be Found on Form FSA-578 for 2012.
 (2) If Proven Yields Are Not Available, Crop Insurance Yields May Be Used. The Cotton Proven Yield Is Based On PLANTED Acres NOT Harvested Acres.
 If Proven Yield Is Less Than 75% of The Respective County 5 Year Average, Use 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.
 Also, If Tract Level Proven Yields Are Not Available, Input the Farm Serial Number's Proven Yield for Every Tract Listed That Has Acreage Reported.
 If Proven Yields Are Not Available, Enter The 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.

2012 FSN Summary Worksheet
 This FSN Total of Tracts Number(s) are _____ Please Check to See That the Number of Tracts Matches the Number Reported Earlier for This FSN. If the 2018 FSN Did Not Exist for 2011, You Will Need to Obtain the Tract Level Information for Those Tracts for the Year 2011.

- Step 1. The Sheet of FSA-578-2012 Has Already Created the Number of Tracts for 2011 Worksheet Needed for Inputting the Data
- Step 2. Input Each Tract Number's 2011 Planted and Prevented Planted Acres. For Proven Yield, Only Cotton Yield Is Required And Input The Cotton Yield for the Respective Tract.
- Step 3a. Click the Summary Button **Summary** To Get 2011 FSN Summary of Planted and Prevented Planted Acres and the Weighted Proven Yield by Cotton ONLY
- Step 3b. Double Check the FSN Planted and Prevented Planted Acres that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
- Step 4. Click the Save Button **Save** To Save All Data Input for This FSN.
- Step 5. Click the Start Sheet Button **Start Sheet** To Go Back to the Start Sheet

Planted and Prevented Planted Acres		
Tract	FSN Summary	
2018 Tract Number #	FSN-0	
Associated Tract Number for 2011 if 2018 Tract Number did not exist in	FSN-0	
Covered Crops + Cotton	Planted & Prevented Acres	Proven Yields
Barley		
Chickpeas		
Corn		
Dry Beans		
Dry Peas		
Grain Sorghum		
Lentils		
Long Grain Rice		
Medium Grain Rice		
Oats		
Other Oilseeds		
Peanut		
Soybeans		
Wheat		
Cotton		
Total Crop Acreage		

Note: (1) Planted and Prevented Planted Acres Can Be Found on Form FSA-578 for 2011.
 (2) If Proven Yields Are Not Available, Crop Insurance Yields May Be Used. The Cotton Proven Yield Is Based On PLANTED Acres NOT Harvested Acres.
 If Proven Yield Is Less Than 75% of The Respective County 5 Year Average, Use 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.
 Also, If Tract Level Proven Yields Are Not Available, Input the Farm Serial Number's Proven Yield for Every Tract Listed That Has Acreage Reported.
 If Proven Yields Are Not Available, Enter The 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.

2018 Farm Serial Number(s) _____ **Please Check to See That the Number of Tracts Matches the Number Reported Earlier for This FSN. If the 2018 FSN Did Not Exist for 2010, You Will Need to Obtain the Tract Level Information for Those Tracts for the Year 2010.**

- Step 1.** The Sheet of FSA-578-2012 Has Already Created the Number of Tracts for 2010 Worksheet Needed for Inputting the Data
- Step 2.** Input Each Tract Number's 2010 Planted and Prevented Planted Acres. For Proven Yield, Only Cotton Yield Is Required And Input The Cotton Yield for the Respective Tract.
- Step 3a.** Click the Summary Button **Summary** To Get 2010 FSN Summary of Planted and Prevented Planted Acres and the Weighted Proven Yield by Cotton ONLY
- Step 3b.** Double Check the FSN Planted and Prevented Planted Acres that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
- Step 4.** Click the Save Button **Save** To Save All Data Input for This FSN.
- Step 5.** Click the Start Sheet Button **Start Sheet** To Go Back to the Start Sheet

2010 FSN Summary		
Tract	FSN Summary	
2018 Tract Number #	FSN #	
Associated Tract Number for 2010 if 2018 Tract Number did not exist in	FSN #	
Covered Crops + Cotton	Planted & Prevented Acres	Proven Yields
Barley		
Chickpeas		
Corn		
Dry Beans		
Dry Peas		
Grain Sorghum		
Lentils		
Long Grain Rice		
Medium Grain Rice		
Oats		
Other Oilseeds		
Peanut		
Soybeans		
Wheat		
Cotton		
Total Crop Acreage		

Note: (1) Planted and Prevented Planted Acres Can Be Found on Form FSA-578 for 2010.
 (2) If Proven Yields Are Not Available, Crop Insurance Yields May Be Used. The Cotton Proven Yield Is Based On PLANTED Acres NOT Harvested Acres.
 If Proven Yield Is Less Than 75% of The Respective County 5 Year Average, Use 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.
 Also, If Tract Level Proven Yields Are Not Available, Input the Farm Serial Number's Proven Yield for Every Tract Listed That Has Acreage Reported.
 If Proven Yields Are Not Available, Enter The 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.

2018 Tract Level Summary

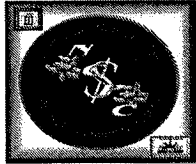
This FSN Total of Tracts Number(s) are _____ Please Check to See That the Number of Tracts Matches the Number Reported Earlier for This FSN. If the 2018 FSN Did Not Exist for 2009, You Will Need to Obtain the Tract Level Information for Those Tracts for the Year 2009.

- Step 1.** The Sheet of FSA-578-2012 Has Already Created the Number of Tracts for 2009 Worksheet Needed for Inputting the Data
- Step 2.** Input Each Tract Number's 2009 Planted and Prevented Planted Acres. For Proven Yield, Only Cotton Yield is Required And Input The Cotton Yield for the Respective Tract.
- Step 3a.** Click the Summary Button **Summary** To Get 2009 FSN Summary of Planted and Prevented Planted Acres and the Weighted Proven Yield by Cotton ONLY
- Step 3b.** Double Check the FSN Planted and Prevented Planted Acres that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
- Step 4.** Click the Save Button **Save** To Save All Data Input for This FSN.
- Step 5.** Click the Start Sheet Button **Start sheet** To Go Back to the Start Sheet

Tract	FSN Summary	
2018 Tract Number #	FSN #	
Associated Tract Number for 2009 if 2018 Tract Number did not exist in	FSN #	
Covered Crops + Cotton	Planted & Prevented Acres	Proven Yields
Barley		
Chickpeas		
Corn		
Dry Beans		
Dry Peas		
Grain Sorghum		
Lentils		
Long Grain Rice		
Medium Grain Rice		
Oats		
Other Oilseeds		
Peanut		
Soybeans		
Wheat		
Cotton		
Total Crop Acreage		

Note: (1) Planted and Prevented Planted Acres Can Be Found on Form FSA-578 for 2009.
 (2) If Proven Yields Are Not Available, Crop Insurance Yields May Be Used. The Cotton Proven Yield is Based On PLANTED Acres NOT Harvested Acres.
 If Proven Yield is Less Than 75% of The Respective County 5 Year Average, Use 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.
 Also, If Tract Level Proven Yields Are Not Available, Input the Farm Serial Number's Proven Yield for Every Tract Listed That Has Acreage Reported.
 If Proven Yields Are Not Available, Enter The 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.

2008 FSN 578-2012	
This FSN Total of Tracts Number(s) are	Please Check to See That the Number of Tracts Matches the Number Reported Earlier for This FSN
Step 1.	The Sheet of FSA-578-2012 Has Already Created the Number of Tracts for 2008 Base Worksheet Needed for Inputting the Data
Step 2.	Input Each Tract Number's 2008 Cotton Planted and Prevented Planted Acres and the Cotton Proven Yield.
Step 3a.	Click the Summary Button Summary To Get 2008 FSN Summary of Planted and Prevented Planted Acres and the Weighted Proven Yield by Cotton ONLY
Step 3b.	Double Check the FSN Planted and Prevented Planted Acres that Should Be Matched With Your Records, Otherwise, Please Check with County FSA Personnel
Step 4.	Click the Save Button Save To Save All Data Input for This FSN.
Step 5.	Click the Start Sheet Button Start Sheet To Go Back to the Start Sheet
Summary of Planted and Prevented Planted Acres	
Tract	FSN Summary
2018 Tract Number #	FSN ID
Associated Tract Number for 2008-13 if 2018 Tract Number did not exist in	FSN ID
Cotton	Planted & Prevented Acres Proven Yields
	2008
<p>Note: (1) Planted and Prevented Planted Acres Can Be Found on Form FSA-578 for 2008.</p> <p>(2) If Proven Yields Are Not Available, Crop Insurance Yields May Be Used. The Cotton Proven Yield Is Based On PLANTED Acres NOT Harvested Acres.</p> <p>If Proven Yield Is Less Than 75% of The Respective County 5 Year Average, Use 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.</p> <p>Also, If Tract Level Proven Yields Are Not Available, Input the Farm Serial Number's Proven Yield for Every Tract Listed That Has Acreage Reported.</p> <p>If Proven Yields Are Not Available, Enter The 75% Of The County's 5 Year (2008-2012) Average Yield For The Proven Yield Entry.</p>	

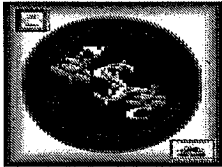


**2009 - 2012 FSN's Historical and
 Average Acreage Summary for Total Crops**
 University of Georgia, CAES
 Developed by
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Covered Crops + Cotton	Planted and Prevented Planted Acreage Summary				
	2009	2010	2011	2012	Average
Barley					
Chickpeas					
Corn					
Dry Beans					
Dry Peas					
Grain Sorghum					
Lentils					
Long Grain Rice					
Medium Grain Rice					
Oats					
Other Oilseeds					
Peanut					
Soybeans					
Wheat					
Cotton					
Total Crops Acreage					



Cotton Yields Update Calculator
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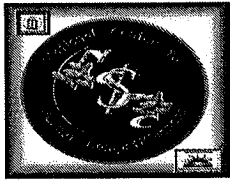
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Crop	Cotton Yields by Year(1)						90% of the 5-Year Average Yields(2)	2013 CC Yields(3)
	2008	2009	2010	2011	2012	Average		
Cotton								

Note: (1) Obtained From the FSA-578 Worksheets for the Respective Years.

(2) The 90% of the 5-Year (2008-2012) Average Yield Column Provides What the Updated Cotton CC Yield Would Be.

(3) Obtained Cotton Yields From the FSA-156EZ Worksheet.



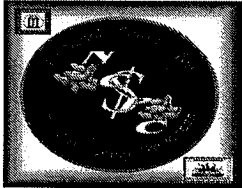
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FSA ID	2018 Base Acreages(1)	4-Year Avg of the Planted & Prevented Acreage(2)	Allocated Base Acreage (Option 2)		
			% of 4-Year Avg Acres to Total Acres(3)	Generic Base Allocated(4)	Total Base(5)
Covered Crops + Cotton					
Barley					
Chickpeas					
Corn					
Dry Beans					
Dry Peas					
Grain Sorghum					
Lentils					
Long Grain Rice					
Medium Grain Rice					
Oats					
Other Oilseeds					
Peanut					
Soybeans					
Wheat					
Seed Cotton					
Generic Base					
Total Acres					

Note: (1) Obtained From the FSA-156EZ Sheet. There is NO Seed Cotton Base Reports.
 (2) Obtained From Acreage Summary Sheet.
 (3) The Percentage of Each Crop 4-Year Average Acre Accounted for Total Average Acres.
 (4) The Results of Percentage of Each Crop 4-Year Average Acre Times Total Generic Base(C37).
 (5) The Sum of Column C and Column F.



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Covered Crops	2018 Base Acres	Alternative Base Choices(1)	
		Option 1 (2)	Option 2 (3)
Barley			
Chickpeas			
Corn			
Dry Beans			
Dry Peas			
Grain Sorghum			
Lentils			
Long Grain Rice			
Medium Grain Rice			
Oats			
Other Oilseeds			
Peanut			
Soybeans			
Wheat			
Seed Cotton			
Unassigned Base			
Total Base Acres			

Note: (1)Farmer Must Choose Either Option 1 or Option 2 For Their Generic Base Allocation.
 (2)Option 1 Choose the Higher Number Between 80% of Generic Base and 2009-2012 Planted Cotton Averaged Acres,
 But If Choose the 2009-2012 Planted Cotton Averaged Acres, it Can't Exceed the Generic Base.
 (3)Option 2 Copied the Total Bases From 2018 Seed Cotton Base Sheet(Column G).