

North Carolina Weather & Crops Report

Released October 17, 2016



CROP SUMMARY FOR THE WEEK ENDING OCTOBER 16, 2016

DAYS SUITABLE FOR FIELD WORK

This Week	Last Week	Last Year	5-Year Avg.
3.8	4.4	5.7	5.0

SOIL MOISTURE PERCENT

	VS	ST	A	SS
Topsoil Moisture	2	11	50	37
Subsoil Moisture	2	12	50	36

VS= Very Short ST = Short A = Adequate SS = Surplus

CROP PROGRESS PERCENT – WITH COMPARISONS

	This Week	Last Week	Last Year	5 Yr. Avg.
PHENOLOGICAL:				
Cotton – Bolls Opening	93	90	95	93
Soybean – Dropping Leaves	70	62	74	66
HARVESTED:				
Apple	81	77	79	83
Corn for Grain	94	92	90	91
Cotton	10	n/a	13	17
Hay 3 rd Cutting	77	73	73	73
Peanuts	24	18	20	38
Sorghum for Grain	65	60	n/a	n/a
Soybeans	15	11	13	10
Sweet Potato	46	39	44	60
Tobacco: Flue Cured	97	94	89	94
Tobacco: Burley	78	70	81	92
PLANTED:				
Barley	15	n/a	17	27
Oats	11	n/a	14	25

CROP CONDITION PERCENT

	VP	P	F	G	EX
Cotton	15	20	34	30	1
Pasture	6	22	40	28	4
Peanut	9	16	32	37	6
Soybean	10	14	35	35	6
Sweet Potato	8	17	32	40	3

VP = Very Poor P = Poor F = Fair G = Good EX = Excellent

Flooding along rivers continues but dry weather this week helped cropland dry out. Winds laid soybeans and cotton down which will affect quality at harvest. How much is uncertain at this time. Prior to the storm soybean yield potential could have been 50 bushels per acre across the county. 30 bushels is probably the realistic estimate today. Cotton loss could be 50% or more. 25% of the county's tobacco was lost due to wind.

Mark Seitz – Pender County Extension

Unprecedented crop damage is widespread across Region 5. Most of the area received from 8 to 19" of rainfall. The remaining crops in the field have suffered significant yield losses in some areas. Some crops remain under water and the effects are taking a toll on yields. Widespread structural damage is reported on most farms in the region. **Georgia Love – Agronomist Region 5**

Hurricane Matthew dropped 15 plus inches of rain. Field soils saturated due to heavy rains and widespread flooding.

Kenny Bailey - Cumberland County Extension

Heavy rain was the major influence on crops in NCDA Region 6 from Hurricane Matthew. 7 days of sun, mild temps enabled cotton, peanuts, and sorghum to begin drying. Cumulative effects of Hermine, Julia, Matthew has hurt cotton, primarily with thin stands and boll lock. The crop is standing however. Peanut and sweetpotato crops are at high risk of stand reduction - harvest continues, more time needed to assess full impact on them.

Mike Wilder – Agronomist Region 6

Agricultural damages due to hurricane Matthew in Johnston County are extensive. Anywhere from 10-20 inches of rain fell in a 36 hour period. Crops, structures and equipment have been damaged in several parts of the county. The tobacco crop was mostly harvested with a limited acreage still in the field. However, extensive power outages and the wet conditions have caused extensive losses in the barns. About 500 barns of tobacco have been damaged either in the barn or in the field. All soybean were in the field. We are estimating that 35% of the soybean crop may be lost. Some of the corn was still in the field and is heavily damaged with a potential 75% loss due to flooding and lodging. Cotton quality and yield has been reduced from pathogens causing boll rot and hard lock. We are estimating a 35% yield loss. **Tim Britton – Johnston County Extension**

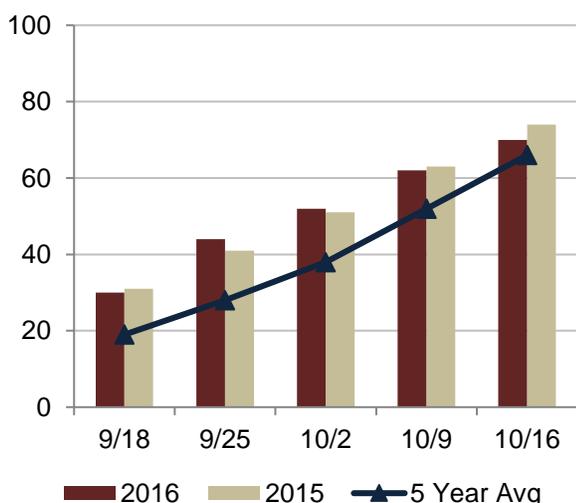
Dry weather has really limited fall fescue growth, and some fields are too dry and hard to drill small grains.

Stephen Bishop – Cleveland SWCD

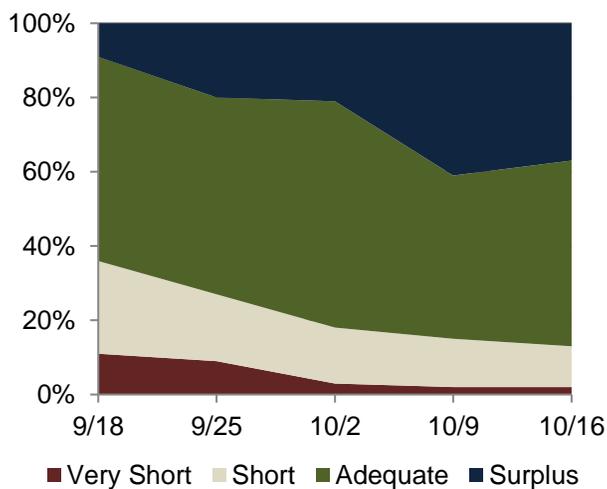
Damage to crops in Greene County was severe due to flooding of many fields in the area. Cotton and peanuts will be a major negative impact on harvest, as I suspect many fields to be abandoned. Soybeans have the potential to also be severely impacted, as shattering and loss of quality are chief concerns going forward. The longer it takes to harvest mature beans, the worst the impact will be. Producers in the area are pretty devastated, this makes 2 years in a row of disaster flooding at harvest time. I have had many conversations with producers who are finding it difficult to move forward.

Roy Thagard – Greene County Extension

SOYBEAN PERCENT LEAF DROP



TOPSOIL MOISTURE PERCENT



WEATHER SUMMARY FOR THE WEEK ENDING OCTOBER 16, 2016

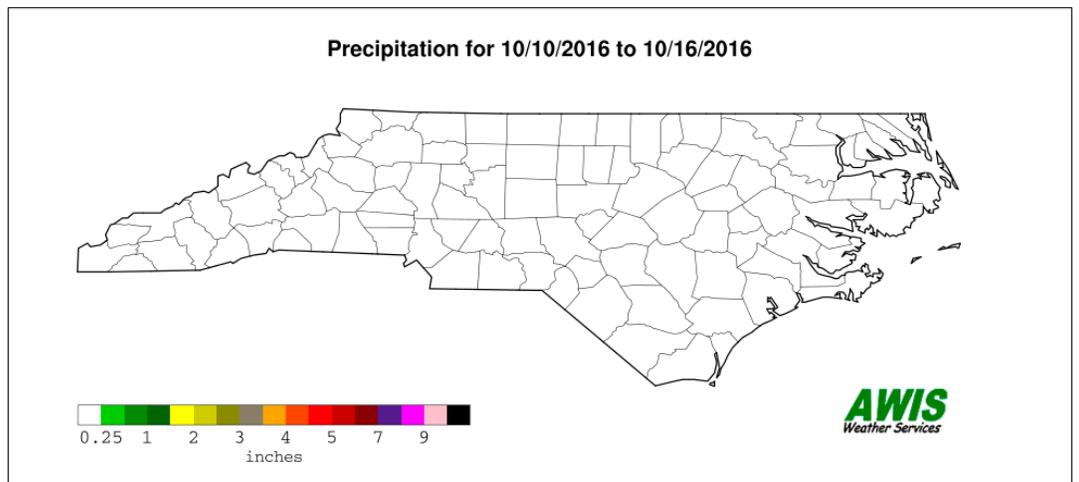
Location	Precipitation (Inches) ¹				Temperature (Degrees F.)				
	This Week		Year to Date		This Week				
	Total	Departure from Normal	Total	Departure from Normal	High	Low	Avg.	Departure from Normal	Degree Days (YTD)
Asheboro	0.00	-0.81	37.62	-1.05	76	40	59	-1	4521
Asheville	0.00	-0.70	29.54	-8.84	76	37	60	4	3930
Burlington	0.00	-0.73	36.35	-1.20	79	40	59	-1	4554
Charlotte	0.00	-0.84	30.03	-5.32	80	43	62	0	4933
Clayton	0.00	-0.70	50.92	12.88	78	42	59	-2	4391
Clinton	0.00	-0.72	53.28	11.49	79	46	62	0	4758
Dunn	0.00	-0.71	47.15	6.43	78	45	63	3	4797
Elizabeth City	0.01	-0.60	50.23	10.36	76	48	62	-1	4629
Fayetteville	0.00	-0.66	52.10	12.61	82	46	63	1	5262
Gastonia-Gaston	0.00	-0.85	28.46	-8.00	81	44	62	1	4923
Goldsboro	0.06	-0.59	63.53	21.50	79	46	63	0	5080
Greensboro	0.00	-0.72	37.17	1.42	79	43	60	1	4654
Greenville	0.00	-0.73	65.20	23.16	79	47	63	1	4872
Hickory	0.00	-0.78	30.84	-9.35	79	43	60	0	4504
Jefferson	0.00	-0.70	37.03	-2.98	72	32	52	1	2753
Kinston	0.00	-0.80	62.20	18.80	79	44	61	0	4732
Maxton	0.00	-0.75	42.17	1.75	81	46	63	0	5138
Mount Airy	0.00	-0.74	41.20	2.44	75	37	57	0	3776
New Bern	0.00	-0.74	60.92	14.71	79	50	64	0	5002
North Wilkesboro	0.00	-0.84	37.91	-3.93	77	40	58	1	4008
Oxford	0.00	-0.84	48.17	10.42	77	43	58	-1	4293
Raleigh-Durham	0.00	-0.70	48.79	13.07	79	43	60	0	4792
Reidsville	0.00	-0.84	44.66	5.71	76	43	57	-1	4195
Roanoke Rapids	0.00	-0.77	48.31	10.20	77	46	61	2	4646
Robbinsville	0.02	-0.70	32.94	-20.14	79	41	60	3	3575
Rockingham	0.02	-0.82	36.63	-4.24	77	44	61	0	4894
Roxboro	0.00	-0.88	48.19	10.04	78	40	58	0	4155
Southern Pines	0.00	-0.84	40.05	0.33	78	40	60	-1	4847
Statesville	0.00	-0.77	35.20	-2.34	79	37	56	-3	4025
Tarboro	0.00	-0.72	60.24	21.56	78	45	60	-1	4565
Vale	0.00	-0.98	30.41	-8.55	80	40	58	-2	4251
Wallace	0.01	-0.68	57.71	11.09	78	46	62	-3	4848
Washington	0.00	-0.86	59.76	17.85	77	48	62	0	4705
Waynesville	0.00	-0.63	25.83	-13.74	76	32	56	3	3174
Whiteville	0.00	-0.66	70.51	27.48	79	45	63	-1	4842
Williamston	0.04	-0.82	65.79	23.88	76	48	62	0	4689
Willington	0.00	-0.68	62.23	13.37	80	48	65	0	5176
Wilson	0.01	-0.65	58.22	18.64	79	45	62	1	4761
Winston Salem	0.00	-0.72	35.61	-0.14	79	43	60	1	4523

¹ Precipitation data considered preliminary *Data not available.

PRECIPITATION SUMMARY

<http://www.awis.com/>

Map depicts accumulations through dates listed. This product is made possible by AWIS Weather Services, Inc.



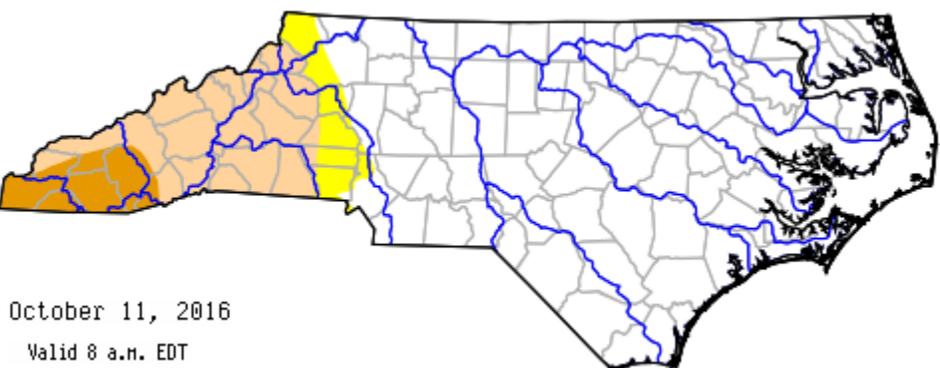
US DROUGHT MONITOR OF NORTH CAROLINA

<http://www.ncdrought.org/>

The US drought monitor focuses on broad scale conditions. Information provided for North Carolina is relative to information provided from all other states and the North Carolina Drought Management Advisory Council. Local conditions may vary.

Drought Classifications

- D0 - Abnormally Dry
- D1 - Moderate Drought
- D2 - Severe Drought
- D3 - Extreme Drought
- D4 - Exceptional Drought



□ County Boundaries □ Major River Basins ([View Map](#))
S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
L = Long-Term, typically >6 months (e.g. hydrology, ecology)

