

NC STATE UNIVERSITY

Realistic Yield Expectations for Nutrient Management Planning in North Carolina

**Realistic Yield Expectations for Soils of North Carolina
Alphabetical Listing by Series**

The following tables are the result of extensive data gathering and review process conducted North Carolina State University, the Natural Resource Conservation Service, the North Carolina Department of Agriculture and Consumer Services, and the North Carolina Division of Soil and Water Conservation. In 1999, county-based representatives of each of the above-named organizations were asked to collect yield data and make a reasoned judgement of the yields for various crops on each of the soils occurring in their county. These data were collected from 87 responses, representing 93 counties. The data were then compared with available research data and intensively reviewed by a panel of field agronomists, soil scientists and researchers familiar with the soils, crops and climatic conditions in each region. In reviewing the data, the following assumptions were made:

- 1) Realistic Yield Expectations should be based on the average of the best 3 years in a 5 year period which could be achieved with a high level of management (top 20% of growers)
- 2) For soils that may be mapped in multiple regions or in slightly different landscapes (for example, flood plains or stream terraces), the Realistic Yields are based on the most common prevailing conditions for that soil rather than the most ideal site for agricultural production.
- 3) Realistic Yields are estimated assuming 0-2% slopes and non-eroded mapping units. For all other conditions, yields will be reduced by the factors shown in Table 1.
- 4) For soils that are Somewhat Poorly, Poorly, or Very Poorly Drained, effective artificial drainage MUST be in place to achieve the yields shown in the RYE tables.
- 5) For tobacco production in the Piedmont physiographic, irrigation was assumed to be available, whereas no irrigation was assumed in the Coastal Plain physiographic region. This is in accordance with numerous surveys which show less than 15%-20% of tobacco in the Coastal Plain is irrigated, while 70 to 80% of tobacco in the Piedmont receives some irrigation.

The RYE Tables contain references to Soil Management Groups (SMG). These are soils having sufficiently similar soil characteristics that soil and nutrient management practices for soils within the group should be similar. In most cases, soils within the same group will have similar yield potentials as well. Further information on soil groups can be found on the nutrient management web site at <http://ces.soil.ncsu.edu/nmp/>

Table 1. Realistic Yield Expectation adjustment factors for soils having slopes greater than 2 percent or mapped as eroded sites. Values are based on previous yield reductions from NRCS special SIR-5 database for nutrient management (1994).

Slope Range	Multiplication Factor Non-Eroded Soils	Multiplication Factor Eroded Soils
0-2	1.00	0.92
3-4	0.98	0.89
5-6	0.96	0.87
7-8	0.94	0.85
9-10	0.92	0.80
11-5	0.89	0.77
16-90	0.87	0.75

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Table 2. Realistic Yield Expectations for agricultural soils of North Carolina, listed alphabetically by series name.

Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
ACREDALE	10	CP	140	0	900	0	0	55	0	45	2000	4.3	4.5
AILEY	27	CP	55	0	550	1900	0	35	0	25	2000	5	1.5
ALAGA	28	CP	60	0	550	1600	0	35	0	25	2300	4.5	0
ALAMANCE	108	PI	125	23	650	3000	0	55	10	45	0	5.5	4.5
ALPIN	28	CP	60	0	550	1800	0	35	0	25	2500	4.5	0
ALTAVISTA-CP	20	CP	130	0	850	3000	0	60	0	45	3500	6	4
ALTAVISTA-P	105	PI	130	24	850	3000	0	60	0	45	0	6	4
APPLING	111	PI	135	25	775	3300	0	65	12	55	0	5.5	5.5
ARAPAHOE	7	CP	140	0	850	0	0	60	0	45	0	5	4
ARGENT	11	CP	120	0	750	2100	0	55	0	40	0	3.5	3.5
ARKAQUA	204	MO	150	23	0	0	2200	35	8	60	0	0	4
ARMENIA	101	PI	90	12	450	1600	0	45	0	32	0	0	2.5
ASHLAR	112	PI	85	11	450	2000	0	40	6	28	0	3.5	4
AUGUSTA-CP	16	CP	115	0	775	2500	0	55	0	40	2300	5.5	4.5
AUGUSTA-P	102	PI	115	21	775	2500	0	55	0	40	0	5.5	4.5
AUTRYVILLE	27	CP	85	0	700	2400	0	45	0	30	2500	5.5	1.5
AYCOCK	23	CP	130	0	925	3000	0	60	0	50	3600	6.5	4
AYERSVILLE	116	PI	80	10	450	1900	0	40	6	28	0	4	4.5
BACKBAY	8	CP	110	0	700	0	0	55	0	40	0	4.5	3.5
BADIN	113	PI	120	22	700	2850	0	55	10	45	0	4	4
BALLAHACK	7	CP	140	0	550	1800	0	60	0	45	2000	5	4
BANDANA	204	MO	150	23	0	0	2200	35	8	60	0	0	4
BANNERTOWN	112	PI	85	11	450	2000	0	40	6	28	0	3.5	4
BANNISTER	105	PI	135	25	700	2800	0	60	11	50	0	6	4.5
BARCLAY	14	CP	140	0	800	2700	0	60	0	50	0	5.5	4.5
BAYBORO	6	CP	135	0	775	1800	0	60	0	45	0	3.5	3.5
BAYMEADE	27	CP	60	0	475	1800	0	35	0	25	2200	5	1.5
BELHAVEN	2	CP	130	0	800	0	0	60	0	44	0	3	4.5
BERTIE	20	CP	125	0	850	2900	0	55	0	45	3500	6.5	4
BETHERA	11	CP	105	0	600	0	0	40	0	35	0	3.5	3.5
BETHLEHEM	111	PI	70	10	450	1600	0	35	5	25	0	4	4
BIBB	5	CP	110	0	675	2100	0	45	0	38	2000	3.5	4
BILTMORE	208	MO	75	14	0	0	1000	30	8	25	0	0	2
BLADEN	11	CP	105	0	700	0	0	50	0	38	2900	3.5	3.5
BLANEY	27	CP	65	0	525	2200	0	35	0	25	2100	5	1.5
BLANTON	22	CP	60	0	500	2200	0	35	0	25	2200	4.5	1.5
BOJAC	26	CP	100	0	750	2200	0	45	0	35	2900	5.5	3
BOLLING	20	CP	120	0	825	0	0	50	0	40	3400	6	4
BONNEAU	27	CP	85	0	700	2200	0	45	0	30	2800	5.5	1.5
BRADDOCK-M	210	MO	115	18	0	0	2800	75	12	45	0	0	6
BRADDOCK-P	111	PI	115	18	0	0	2800	75	12	45	0	0	6
BRADSON	210	MO	110	18	0	0	2800	75	12	45	0	0	6
BRAGG	26	CP	80	0	650	1800	0	35	0	30	0	4.5	2
BRASSTOWN	212	MO	85	13	0	0	1700	60	10	30	0	0	4.5
BREVARD	211	MO	135	25	0	0	2800	75	12	50	0	0	5
BRICKHAVEN	103	PI	85	11	450	1800	0	40	7	30	0	3	3
BROOKMAN	6	CP	135	0	700	1800	0	60	0	45	0	3.5	3.5
BROOKSHIRE	213	MO	160	28	0	0	2400	75	12	40	0	0	6
BUNCOMBE	105	PI	60	10	450	1500	0	30	4	25	0	3.5	3
BUTTERS	26	CP	100	0	750	2400	0	50	0	35	3000	5.5	3

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Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
BYARS	6	CP	110	0	750	1800	0	55	0	40	0	4	3.5
CAINHOY	28	CP	55	0	450	1600	0	30	0	22	2000	3.5	0
CALLISON	106	PI	90	12	450	2100	0	45	8	30	0	4.5	4.5
CANDOR	28	CP	55	0	475	1900	0	35	0	22	2000	4.5	0
CAPE FEAR	6	CP	135	0	750	2000	0	60	0	45	2000	3.5	3.5
CARBONTON	103	PI	85	12	450	2000	0	40	0	30	0	4	3
CAROLINE	24	CP	100	0	875	2400	0	50	0	38	2800	6	3.5
CARTECAY	102	PI	85	16	450	1800	0	40	0	30	0	2	4
CASHIERS	217	MO	120	24	0	0	1600	0	0	0	0	0	4
CECIL	111	PI	125	23	750	3200	0	60	12	50	0	5	5
CENTENARY	28	CP	65	0	500	1900	0	35	0	25	2200	4.5	0
CHAPANOKE	14	CP	135	0	850	2700	0	60	0	45	0	5.5	4.5
CHARLESTON	21	CP	90	0	750	1900	0	40	0	34	0	5.5	3.5
CHASTAIN	4	CP	60	0	550	1800	0	35	0	25	0	3	3
CHATUGE	201	MO	105	16	0	0	1000	0	0	0	0	0	2
CHENNEBY	102	PI	125	23	700	2700	0	55	0	40	0	3.5	4
CHESTATEE	112	PI	115	18	0	2600	0	75	12	45	0	3.5	5
CHEWACLA-CP	5	CP	105	0	675	2000	0	50	0	38	2000	4.5	4.5
CHEWACLA-P	102	PI	150	28	750	3200	0	65	0	55	0	4.5	4.5
CHICKAHOMIN	11	CP	100	0	600	0	0	40	0	30	0	3	3.5
CHIPLEY	22	CP	60	0	500	2000	0	35	0	20	0	5	2
CHISOLM	27	CP	70	0	600	2000	0	35	0	25	0	5.5	1.5
CID	103	PI	120	22	725	2900	0	50	0	40	0	4	4.5
CLAYCREEK	106	PI	90	12	450	2100	0	40	7	30	0	4.5	4
CLIFFORD	111	PI	125	23	750	3200	0	60	12	50	0	5	5
CLIFFSIDE	117	PI	75	9	350	1600	0	25	5	20	0	3	3
CLIFTON	210	MO	115	18	0	0	2800	75	12	45	0	0	6
CLOVER	114	PI	110	20	650	2600	0	50	9	40	0	4.5	5
CODORUS	102	PI	140	26	700	3000	0	60	0	50	0	4.5	4.5
COLFAX	103	PI	125	23	700	2800	0	55	0	45	0	4	4
COLVARD	205	MO	155	24	0	0	2200	40	10	55	0	0	4
CONABY	7	CP	130	0	800	0	0	60	0	44	0	4.5	3.5
CONETOE	27	CP	85	0	700	2400	0	40	0	30	2800	5.5	1.5
CONGAREE	105	PI	150	28	750	3200	0	50	12	55	0	6	5
COROLLA	22	CP	60	0	500	1600	0	35	0	20	0	4	2
CORONACA	109	PI	125	23	650	3000	0	60	11	45	0	6	5
COWARTS	19	CP	80	0	675	1800	0	40	0	35	2500	5.5	3.5
COXVILLE	11	CP	120	0	750	2200	0	55	0	40	2200	3.5	3.5
CRAIGSVILLE	209	MO	100	16	0	0	1800	0	8	40	0	0	4
CRAVEN	19	CP	115	0	775	2700	0	60	0	40	2700	5.5	3.5
CREEDMOOR	107	PI	90	12	475	2200	0	40	7	35	0	3.5	3.5
CROATAN	3	CP	125	0	725	0	0	50	0	40	0	3	3.5
CULLEN	109	PI	125	23	650	2800	0	60	11	45	0	6	5
CULLOWHEE	204	MO	150	23	0	0	2200	35	8	60	0	0	4
DARE	1	CP	105	0	700	0	0	40	0	35	0	2.5	4.5
DAVIDSON	109	PI	140	26	900	3400	0	65	14	55	0	6	5.5
DELANCO	103	PI	125	23	700	2800	0	45	0	45	0	4	4.5
DELLWOOD	209	MO	100	16	0	0	1800	0	8	40	0	0	4
DELOSS	8	CP	110	0	700	0	0	50	0	40	0	4	4
DEVOTION	112	PI	85	11	450	1900	0	40	6	30	0	3	3.5
DILLARD	206	MO	175	28	0	0	2600	60	12	60	0	0	5.5

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			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
DILLSBORO	211	MO	135	25	0	0	2800	75	12	50	0	0	5
DOGUE-CP	19	CP	125	0	800	2800	0	60	0	45	3000	6	4
DOGUE-P	105	PI	135	25	700	2800	0	60	11	50	0	6	4.5
DOROVAN	1	CP	105	0	702	0	0	40	0	35	0	2.5	3.5
DOTHAN	25	CP	120	0	875	2800	0	55	0	40	3700	6	3.5
DRAGSTON	16	CP	130	0	800	2400	0	55	0	40	0	5.5	4.5
DUCKSTON	13	CP	60	0	500	1600	0	40	0	25	0	4	2
DUNBAR	15	CP	115	0	700	2600	0	55	0	42	2600	5	4
DUPLIN	19	CP	115	0	800	2800	0	60	0	45	3000	5.5	3.5
DURHAM	116	PI	90	12	500	2200	0	45	7	35	0	5	4.5
DYKE	210	MO	115	18	0	0	2800	75	12	45	0	0	6
ECHAW	22	CP	70	0	500	2200	0	35	0	30	2200	4.5	1.5
EDNEYTOWN	216	MO	110	18	0	0	2600	60	10	40	0	0	4.5
EDNEYVILLE	216	MO	110	18	0	0	2600	60	10	40	0	0	4.5
ELKTON	10	CP	120	0	700	0	0	50	0	40	0	4	4.5
ELSINBORO	215	MO	205	32	0	0	2800	75	12	60	0	0	5
EMPORIA	25	CP	110	0	825	2900	0	55	0	35	3700	6	3.5
ENGELHARD	10	CP	135	0	875	0	0	50	0	40	2000	4	4.5
ENON	110	PI	105	19	550	2400	0	50	9	40	0	5	4.5
EUSTIS	28	CP	60	0	500	1800	0	30	0	25	2000	4	0
EVARD	216	MO	110	18	0	0	2600	60	10	40	0	0	4.5
EXUM	18	CP	130	0	900	3100	0	60	0	50	3700	6.5	4
EXWAY	109	PI	85	11	650	1800	0	40	7	30	0	4.5	3
FACEVILLE	24	CP	115	0	900	2700	0	60	0	45	3200	6	4
FAIRVIEW	111	PI	110	20	650	2600	0	50	9	40	0	4.5	4.5
FANNIN	214	MO	60	12	0	0	1600	30	8	20	0	0	2.5
FLETCHER	216	MO	110	18	0	0	2600	60	10	40	0	0	4.5
FORESTON	20	CP	120	0	800	2900	0	55	0	40	3500	6	4
FORK	16	CP	120	0	800	0	0	50	0	40	0	4.5	4.5
FORTESCUE	6	CP	150	0	900	0	0	60	0	50	0	3.5	3.5
FRENCH	204	MO	155	24	0	0	2200	35	8	60	0	0	4
FRIPP	28	CP	60	0	450	1600	0	30	0	25	2000	4	0
FUQUAY	27	CP	85	0	675	2600	0	40	0	30	2900	5.5	1.5
GASTON	109	PI	125	23	725	2900	0	55	10	40	0	6	5
GEORGEVILLE	113	PI	125	23	700	3000	0	60	12	50	0	5	5
GILEAD	19	CP	100	0	600	2500	0	50	0	35	0	5.5	4
GLENELG	116	PI	90	12	500	2100	0	45	7	35	0	4.5	3
GOLDSBORO	20	CP	130	0	925	3400	0	65	0	45	4000	6.5	4
GOLDSTON	117	PI	80	10	475	2400	0	40	7	30	0	3	3.5
GRANTHAM	10	CP	130	0	800	2300	0	60	0	45	2500	4	4.5
GRANVILLE	116	PI	90	12	500	2400	0	45	7	35	0	5	4.5
GRIFTON	12	CP	110	0	775	2400	0	45	0	40	0	4	4
GRITNEY	19	CP	100	0	675	2500	0	45	0	35	2400	5.5	3.5
GROVER	116	PI	90	12	500	2100	0	45	7	35	0	4.5	3
GULLROCK	6	CP	130	0	850	0	0	55	0	40	0	3.5	3.5
GWINNETT	109	PI	85	11	600	1800	0	40	7	30	0	5	4
HALIFAX	103	PI	95	16	550	2400	0	50	9	40	0	3.5	4
HALLISON	106	PI	85	11	450	2000	0	40	7	30	0	4.5	4
HATBORO	202	MO	80	12	0	0	1000	0	0	0	0	0	3
HAYESVILLE	210	MO	115	18	0	0	2800	75	12	45	0	0	6
HELENA	103	PI	95	16	550	2400	0	50	9	40	0	3.5	4

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			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
HEMPHILL	201	MO	105	16	0	0	1000	0	0	0	0	0	2
HERNDON	113	PI	125	23	700	3000	0	60	11	50	0	5	5
HIBRITEN	117	PI	80	10	400	1800	0	40	6	25	0	3.5	3
HIWASSEE	109	PI	135	25	725	3200	0	60	12	50	0	6	5
HOBCAW	8	CP	110	0	550	0	0	50	0	40	0	4.5	3.5
HORNSBORO	103	PI	115	21	775	2500	0	55	0	40	0	5	4.5
HULETT	111	PI	105	18	600	2500	0	45	8	40	0	5	4.5
HYDE	6	CP	160	0	850	0	0	65	0	52	0	3.5	3.5
HYDELAND	6	CP	135	0	825	0	0	60	0	48	0	3.5	3.5
ICARIA	8	CP	120	0	825	0	0	55	0	40	3000	4.5	3.5
INVERSHIEL	19	CP	115	0	650	0	0	50	0	40	0	5	3.5
IOTLA	205	MO	155	24	0	0	2200	40	10	55	0	0	4.5
IREDELL	107	PI	85	16	650	1800	0	40	10	30	0	3	3
IZAGORA	20	CP	125	0	800	2900	0	55	0	40	3400	5.5	4
JOHNS	16	CP	120	0	800	2700	0	55	0	45	2700	5	5
JOHNSTON	4	CP	80	0	575	1800	0	40	0	35	2200	3	3
KALMIA	25	CP	110	0	825	2900	0	60	0	42	3200	6.5	3.5
KEENER	213	MO	140	25	0	0	2400	75	12	40	0	0	6
KEMPSVILLE	25	CP	120	0	800	0	0	50	0	38	0	6	3.5
KENANSVILLE	27	CP	80	0	650	2200	0	35	0	30	2600	5.5	1.5
KINKORA	201	MO	105	16	0	0	1000	0	0	0	0	0	2
KINSTON	5	CP	100	0	650	1800	0	40	0	40	0	4	4
KIRKSEY	106	PI	115	21	500	2750	0	50	9	40	0	4.5	4.5
KUREB	28	CP	55	0	450	1800	0	35	0	22	2000	4	0
LACKSTOWN	107	PI	90	12	475	2200	0	40	7	35	0	3.5	3.5
LAKELAND	28	CP	55	0	525	1700	0	35	0	22	2000	4	0
LEAF	11	CP	105	0	675	2100	0	50	0	38	2500	3.5	3.5
LEAKSVILLE	101	PI	85	12	450	1500	0	40	0	30	0	0	2.5
LENOIR	15	CP	110	0	700	2600	0	50	0	38	2600	4.5	4
LEON	13	CP	70	0	500	2000	0	35	0	26	0	3	2.5
LIDDELL	10	CP	125	0	800	2300	0	55	0	42	0	4	4
LIGNUM	103	PI	125	22	675	1800	0	50	0	42	0	4	4.5
LILLINGTON	27	CP	70	0	650	2100	0	35	0	30	2500	4.5	1.5
LLOYD	109	PI	120	22	675	2900	0	50	10	45	0	6	5
LOCKHART	117	PI	75	10	400	1600	0	40	6	25	0	3	2.5
LODI	211	MO	135	25	0	0	2800	75	12	50	0	0	0
LONON	213	MO	140	25	0	0	2400	75	12	40	0	0	6
LOUISA	117	PI	40	10	400	1600	0	30	6	20	0	3	3
LOUISBURG	112	PI	80	10	450	1900	0	40	7	28	0	3.5	3
LUCY	27	CP	80	0	650	2100	0	40	0	30	2200	5.5	1.5
LUMBEE	12	CP	115	0	725	2400	0	50	0	45	2200	4.5	4
LYNCHBURG	16	CP	125	0	850	3000	0	55	0	46	3000	5.5	4.5
LYNN HAVEN	9	CP	70	0	400	1800	0	35	0	26	0	3.5	2.5
MADISON	111	PI	110	20	625	2600	0	50	9	40	0	5	4
MANDARIN	17	CP	55	0	400	1600	0	30	0	20	0	3	2
MARLBORO	24	CP	110	0	925	3000	0	60	0	45	3400	6.5	4
MARVYN	26	CP	75	0	700	2400	0	40	0	35	2000	6	2.5
MASADA	115	PI	125	24	700	3200	0	60	12	48	0	6	4.5
MASCOTTE	13	CP	50	0	400	1600	0	30	0	20	0	4	2
MASONTOWN	4	CP	80	0	550	1800	0	35	0	30	0	3	3
MATAPEAKE	23	CP	120	0	850	0	0	55	0	42	0	0	4

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Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
MAXTON	25	CP	110	0	800	2900	0	50	0	40	0	6.5	3.5
MAYODAN	114	PI	110	20	650	2600	0	50	9	40	0	4.5	5
McCOLL	11	CP	100	0	700	2000	0	50	0	38	0	4	3.5
McQUEEN	115	PI	110	20	650	2600	0	50	9	40	0	5.5	4.5
MEADOWFIELD	117	PI	40	10	0	1600	0	25	5	20	0	3	3
MECKLENBUR	110	PI	105	19	600	2400	0	50	9	40	0	5	4.5
MEGETT	11	CP	100	0	700	2000	0	50	0	38	2000	3.5	3.5
MISENHEIMER	104	PI	90	14	550	1800	0	45	0	30	0	3	3
MOCKSVILLE	110	PI	95	14	550	1800	0	45	7	35	0	4.5	4
MONACAN	102	PI	140	26	700	3000	0	60	0	50	0	4.5	4.5
MONCURE	102	PI	120	22	750	2600	0	55	0	45	0	3.5	3.5
MONTONIA	113	PI	80	10	400	1900	0	40	6	28	0	3.5	2.5
MOOSHAUNEE	106	PI	85	11	450	2000	0	40	7	30	0	4.5	3.5
MUCKALEE	4	CP	75	0	600	1800	0	45	0	34	0	3	3
MUNDEN	20	CP	105	0	750	1900	0	50	0	38	0	5.5	3.5
MURVILLE	9	CP	85	0	575	0	0	35	0	30	0	3	3
MYATT	12	CP	115	0	700	0	0	50	0	40	0	4	4
NAHUNTA	14	CP	125	0	800	2700	0	60	0	45	3000	5.5	4.5
NAKINA	7	CP	140	0	700	2000	0	60	0	45	0	5	4
NANFORD	113	PI	120	22	675	2800	0	50	9	45	0	4.5	4.5
NANKIN	24	CP	80	0	650	2300	0	40	0	35	2200	6	3.5
NANTAHALA	210	MO	115	18	0	0	2800	75	12	45	0	0	6
NASON	113	PI	120	22	675	2800	0	50	9	45	0	4.5	4.5
NAWNEY	4	CP	65	0	600	1800	0	35	0	28	0	3	3
NEWFLAT	15	CP	85	0	600	0	0	45	0	30	0	4	4
NEWHAN	28	CP	60	0	450	1600	0	30	0	25	2000	4	0
NEWHOLLAND	8	CP	120	0	825	0	0	55	0	40	0	4	3.5
NIKWASI	202	MO	70	11	0	0	1000	0	0	0	0	0	3
NIMMO	12	CP	130	0	750	0	0	55	0	44	0	4.5	4
NIXONTON	18	CP	140	0	900	3000	0	60	0	50	0	6.5	4
NOBOCO	25	CP	115	0	875	3300	0	60	0	45	4000	6.5	3.5
NORFOLK	25	CP	115	0	875	3300	0	60	0	42	4000	6.5	3.5
OAKBORO	105	PI	110	20	600	2600	0	50	9	40	0	4.5	4.5
OCILLA	17	CP	80	0	600	2200	0	35	0	34	2800	5	3
ONSLOW	16	CP	115	0	800	2500	0	55	0	40	0	5.5	4
ORANGE	107	PI	95	16	500	2300	0	45		30	0	4	2.5
ORANGEBURG	25	CP	120	0	900	2900	0	60	0	45	2800	6.5	4
OSIER	13	CP	65	0	500	1600	0	35	0	25	0	4	2.5
OSTIN	209	MO	100	16	0	0	1800	0	8	40	0	0	4
OTHELLO	10	CP	120	0	750	2200	0	55	0	40	0	4	4
OUSLEY	22	CP	50	0	500	1800	0	30	0	20	2000	4.5	1.5
PACOLET	111	PI	110	20	650	2600	0	50	9	40	0	4.5	4.5
PACTOLUS	22	CP	65	0	550	2000	0	35	0	25	2400	5	2.5
PAGELAND	106	PI	100	14	475	2300	0	45	8	35	0	4.5	3.5
PANTEGO	7	CP	135	0	825	0	0	60	0	50	3000	5	4
PASQUOTANK	10	CP	145	0	900	0	0	60	0	50	0	4	4.5
PAXVILLE	8	CP	115	0	650	0	0	55	0	40	2200	4.5	3.5
PEAWICK	19	CP	70	0	650	2000	0	40	0	28	0	5	3.5
PEAWICK-P	103	PI	70	0	650	2000	0	40	0	28	0	5	3.5
PELION	21	CP	100	0	725	1900	0	50	0	38	0	5	3.5
PENDER	16	CP	120	0	750	0	0	55	0	42	0	5.5	4

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Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
PENHOOK	113	PI	125	23	700	3000	0	60	12	50	0	5	5
PERQUIMANS	10	CP	140	0	900	0	0	60	0	48	0	4	4.5
PETTIGREW	6	CP	140	0	825	0	0	60	0	45	0	3	3.5
PICTURE	101	PI	90	12	450	1600	0	45	0	32	0	0	3
PINKSTON	116	PI	80	10	400	1900	0	40	6	28	0	3	3.5
PINOKA	116	PI	80	10	400	1900	0	40	6	28	0	3	3.5
PITTSBORO	103	PI	90	12	500	2200	0	40	0	28	0	4	2.5
PLUMMER	13	CP	70	0	500	1800	0	35	0	25	0	3.5	2.5
POCALLA	27	CP	75	0	650	2100	0	35	0	30	2200	5	1.5
POCOMOKE	7	CP	125	0	650	0	0	55	0	40	0	4.5	0
POINDEXTER	110	PI	80	10	400	1900	0	40	6	28	0	3	3
POLAWANA	9	CP	75	0	550	0	0	30	0	30	0	3	3
POLKTON	107	PI	80	10	450	1800	0	40	6	28	0	3	3
PONZER	3	CP	150	0	900	0	0	65	0	50	0	3	5
PORTERS	217	MO	120	24	0	0	1600	0	0	0	0	0	4
PORTSMOUTH	7	CP	135	0	825	2200	0	60	0	45	3000	5.5	4.5
PRUITTON	115	PI	85	11	450	2000	0	40	7	30	0	5.5	5
PUNGO	1	CP	100	0	700	0	0	40	0	35	0	2.5	4
RABUN	210	MO	115	18	0	0	2800	75	12	45	0	0	6
RAINS	12	CP	125	0	800	2600	0	55	0	44	2900	4.5	4.5
REDBRUSH	110	PI	95	16	500	2300	0	45	8	35	0	4.5	4
REDDIES	207	MO	205	32	0	0	2600	75	12	65	0	0	5
RHODHISS	116	PI	100	16	550	2400	0	50	8	35	0	4.5	4
RIMINI	28	CP	55	0	450	1600	0	30	0	22	2000	3.5	0
RION	116	PI	100	16	550	2400	0	50	8	35	0	4.5	4
RIVERVIEW-CP	25	CP	120	0	750	2200	0	55	0	42	0	5	4
RIVERVIEW-P	105	PI	120	22	650	2700	0	50	9	45	0	4.5	4.5
ROANOKE	11	CP	120	0	750	2000	0	55	0	44	2600	3.5	3.5
ROPER	6	CP	150	0	900	0	0	60	0	50	0	3.5	3.5
ROSMAN	207	MO	205	32	0	0	2600	75	12	65	0	0	5
RUMFORD	26	CP	100	0	750	0	0	45	0	30	0	5.5	3
RUSTON	25	CP	115	0	850	2700	0	55	0	40	0	6	3.5
RUTLEGE	9	CP	80	0	550	1800	0	35	0	30	0	3	3
SANTEETLAH	213	MO	160	28	0	0	2400	75	12	40	0	0	6
SAUNOOK	213	MO	160	28	0	0	2400	75	12	40	0	0	6
SAW	112	PI	80	10	500	1900	0	40	6	28	0	3	3.5
SCUPPERNON	2	CP	125	0	900	0	0	55	0	40	0	3	3.5
SEABROOK	22	CP	75	0	600	2000	0	40	0	30	2500	5	1.5
SEAGATE	17	CP	55	0	400	0	0	30	0	20	0	3	2
SECREST	106	PI	95	14	450	2250	0	45	9	35	0	4.5	4
SEDFIELD	103	PI	95	16	500	2000	0	45	0	35	0	4	3
SHELLBLUFF	105	PI	110	20	600	2600	0	50	9	40	0	4.5	4.5
SHELOCTA	213	MO	160	28	0	0	2400	75	12	40	0	0	6
SHOUNS	213	MO	160	28	0	0	2400	75	12	40	0	0	6
SILOAM	117	PI	80	12	450	1900	0	40	7	30	0	3	4
SKYUKA	115	PI	110	20	650	2500	0	50	9	40	0	6	4.5
SPRAY	114	PI	80	10	450	1900	0	35	6	25	0	3	2.5
ST. LUCIE	28	CP	55	0	450	1600	0	30	0	20	1800	4	0
STALLINGS	16	CP	110	0	725	2700	0	50	0	38	3000	5.5	4
STARR	115	PI	125	23	700	2800	0	55	10	40	0	5.5	4.5
STATE-CP	23	CP	125	0	875	3000	0	60	0	45	3500	6.5	4

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Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
STATE-P	115	PI	125	23	875	3000	0	60	9	45	0	6.5	4
STATLER	215	MO	205	32	0	0	2800	75	12	60	0	0	5
STOCKADE	7	CP	125	0	800	0	0	55	0	42	0	5	3.5
STONEVILLE	109	PI	110	20	550	2600	0	50	9	40	0	4.5	4
STOTT KNOB	116	PI	70	9	400	1600	0	35	5	25	0	4	4
SUCHES	205	MO	155	24	0	0	2200	40	10	55	0	0	4
SUFFOLK	25	CP	125	0	850	2800	0	55	0	38	3200	6.5	3.5
SUNCOOK	208	MO	75	14	0	0	1000	30	8	25	0	0	2
SURRY	114	PI	80	10	450	1900	0	35	6	28	0	3	4
SYLACAUGA	103	PI	115	21	775	2500	0	55	0	40	0	5.5	4.5
SYLVA	202	MO	70	11	0	0	1000	0	0	0	0	0	3
TALLAPOOSA	117	MO	45	6	350	1400	0	20	3	20	0	3	3
TARBORO	28	CP	60	0	600	2100	0	35	0	25	2400	4	0
TARRUS	113	PI	120	22	675	2800	0	55	10	45	0	4.5	4.5
TATE	213	MO	140	25	0	0	2400	75	12	40	0	0	6
TATUM	113	PI	120	22	675	2800	0	55	10	45	0	4.5	4.5
TETOTUM	20	CP	120	0	700	2400	0	55	0	40	3200	5.5	4
THURMONT	213	MO	140	25	0	0	2400	75	12	40	0	0	6
TOAST	111	PI	110	20	650	2600	0	50	9	40	0	5	3
TOCCOA	105	PI	140	26	700	3300	0	60	12	50	0	4.5	4.5
TODDSTAV	102	PI	120	22	750	2600	0	55	0	45	0	3.5	3.5
TOISNOT	12	CP	75	0	600	1800	0	40	0	25	0	3.5	3.5
TOMAHAWK	17	CP	75	0	500	2400	0	35	0	28	0	5	2.5
TOMOTLEY	12	CP	130	0	800	2500	0	60	0	45	2900	4.5	4.5
TORHUNTA	7	CP	125	0	800	0	0	55	0	42	0	5	4.5
TOXAWAY	203	MO	175	28	0	0	1800	0	0	60	0	0	3.5
TRANSYLVANI	207	MO	205	32	0	0	2600	75	12	65	0	0	5
TREBLOC	10	CP	120	0	700	1800	0	45	0	40	0	3.5	4
TROUP	28	CP	60	0	500	1600	0	30	0	25	2200	4.5	0
TUCKASEGEE	213	MO	160	28	0	0	2400	75	12	40	0	0	6
TUCKERMAN	12	CP	110	0	650	0	0	45	0	35	0	4	4
TURBEVILLE	23	CP	125	26	850	2300	0	55	0	42	2800	6.5	4
TUSQUITEE	213	MO	160	28	0	0	2400	75	12	40	0	0	6
UCHEE	27	CP	70	0	550	2000	0	35	0	30	2000	5	1.5
UNA	5	CP	100	0	600	0	0	40	0	35	0	3.5	3
UNISON	211	MO	135	25	0	0	2800	75	12	50	0	0	5
UWHARRIE	113	PI	125	23	650	2950	0	55	8	45	0	3.5	4.5
VALHALLA	27	CP	70	0	625	2000	0	35	0	25	2400	5.5	1.5
VANCE	111	PI	105	18	575	2500	0	50	8	40	0	5	4.5
VARINA	24	CP	100	0	775	2400	0	50	0	38	2200	6	3.5
VAUCLUSE	26	CP	70	0	600	2300	0	45	0	28	0	5.5	3
WADESBORO	109	PI	110	20	550	2600	0	50	9	40	0	4.5	4
WAGRAM	27	CP	75	0	650	2600	0	40	0	28	3000	5.5	1.5
WAHEE	15	CP	110	0	725	2300	0	50	0	42	2500	5	4
WAKE	112	PI	45	6	350	0	0	20	3	0	0	2.5	2.5
WAKULLA	28	CP	55	0	550	2000	0	35	0	22	2200	4	0
WANDO	28	CP	55	0	450	1800	0	35	0	22	2000	4	0
WASDA	7	CP	135	0	825	0	0	60	0	45	0	5	4
WATAUGA	212	MO	85	13	0	0	1700	60	10	30	0	0	4.5
WATEREE	112	PI	85	11	450	1900	0	40	6	30	0	3	3.5
WEDOWEE	111	PI	110	20	650	2600	0	50	9	40	0	5	3

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Soil Series	SMG	Region	Corn Grain	Corn Silage	Cotton	Tob FC	Tob Bur	Wheat	Sm Grn Silage	Soybean	Peanut	Hy berm Hay	Fescue Hay
			Bu/ad	Ton/ac	Lb/ac	Lb/ac	Lb/ac	Bu/ac	Ton/ac	Bu/ac	Lb/ac	Dry ton/ac	
WEEKSVILLE	6	CP	150	0	900	0	0	60	0	50	0	3.5	3.5
WEHADKEE	4	CP	85	0	650	2100	0	40	0	30	2100	4	4
WEHADKEE-P	102	PI	85	0	650	2100	0	40	0	30	0	4	4
WESTFIELD	111	PI	110	20	650	2600	0	50	9	40	0	4.5	4.5
WESTON	12	CP	125	0	650	0	0	50	0	44	0	4.5	4
WHITE STORE	107	PI	80	10	450	1800	0	40	7	20	0	2.5	3
WHITEOAK	213	MO	160	28	0	0	2400	75	12	40	0	0	6
WHITESIDE	206	MO	175	28	0	0	2600	60	12	60	0	0	5.5
WICKHAM	23	CP	130	0	875	3000	0	60	0	45	3000	6.5	3.5
WICKHAM-P	115	PI	130	24	875	3000	0	60	9	45	0	6.5	3.5
WILBANKS	4	CP	90	0	625	2000	0	45	0	30	0	3	3.5
WILKES	117	PI	80	12	450	1900	0	40	7	30	0	3	4
WINNSBORO	110	PI	95	14	500	2300	0	45	7	35	0	5	4.5
WINTON	21	CP	100	0	700	1900	0	50	0	38	0	5.5	3.5
WOODINGTON	12	CP	110	0	725	1800	0	50	0	35	0	4.5	4
WOODSTOWN	20	CP	120	0	750	2400	0	55	0	40	3200	5.5	4
WOOLWINE	111	PI	70	10	450	1600	0	35	5	25	0	4	4
WORSHAM	101	PI	95	14	500	2250	0	45	0	34	0	2.5	4
WRIGHTSBOR	20	CP	125	0	750	2500	0	55	0	40	3400	5.5	4
WYNOTT	110	PI	95	12	500	2300	0	45	7	35	0	3.5	4
WY SOCKING	10	CP	135	0	875	0	0	60	0	48	0	4	3
YAUPON	15	CP	115	0	650	0	0	50	0	40	0	5	4
YEOPIM	18	CP	130	0	900	3000	0	60	0	50	0	6.5	4
YONGES	12	CP	110	0	725	1800	0	50	0	40	0	4	4
ZION	110	PI	95	16	500	2300	0	45	8	35	0	4.5	4

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