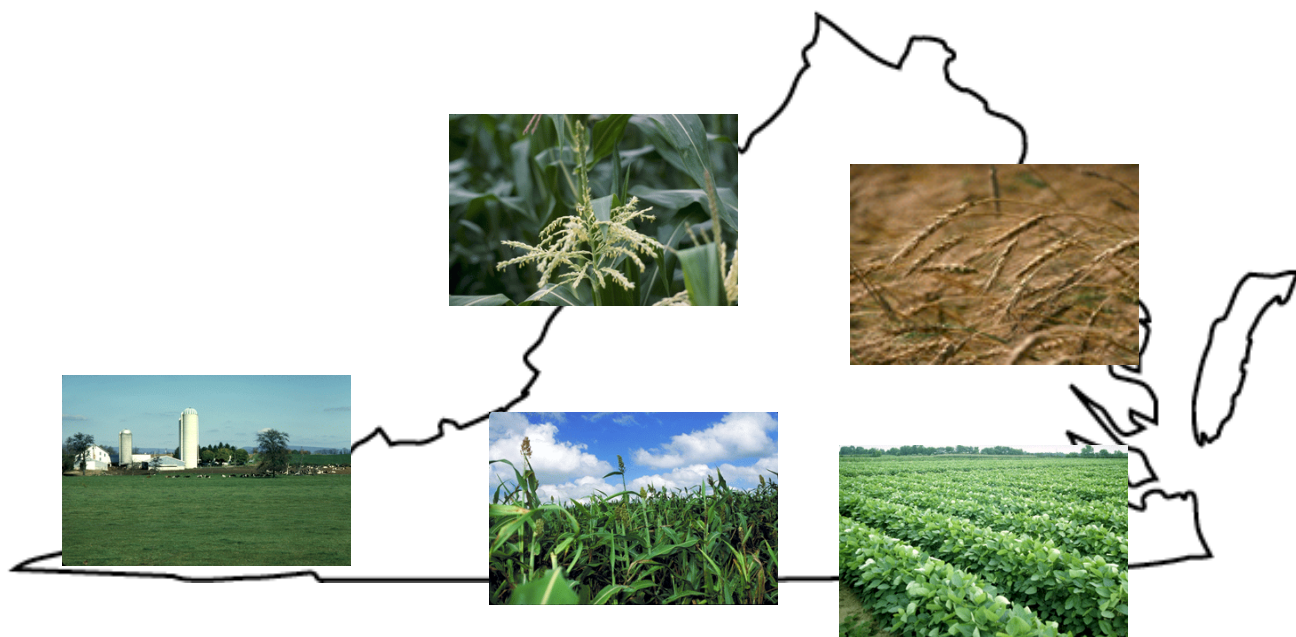


VALUES GUIDEBOOK



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Table 1. Soil Characteristics For Soil Management Groups

The following summaries describe the general soil characteristics that are related to crop production. The purpose of this write-up is to focus on the common soil feature(s) of the management groupings that relate to management and productivity. The format includes the following soil characteristics:

- Regional occurrence
- Parent material
- Landscape position or influence
- Solum thickness
- Dominant profile feature, texture or other feature
- Plant available water supplying capacity
- Internal soil drainage

(A) The soils in this grouping occur over several physiographic provinces, have formed in alluvial parent materials, and are on gently sloping landscapes of flood plains or stream terraces whose watersheds originate west of the Blue Ridge. They are deep, medium textured soils throughout, with high water supplying capacities, and are well drained.

(B) Soils formed from alluvium within the Coastal Plain region and are associated with stream and river terraces. They are deep soils, with loamy textures throughout, have high water supplying capacities, and are well to moderately well drained.

(C) Soils formed from alluvium or coastal plains sediments, on terraces, levees, and broad coastal plain landscapes. They have loamy to silty textures throughout, have high water supplying capacities, and are poorly drained unless artificial drainage is provided which increases their productive capacity significantly.

(D) Soils which occur in the Northern Piedmont region on upland landscapes and have formed from a variety of residual parent materials. They are moderately deep soils, with fine loamy textures, moderately high water supplying capacities, and are well to moderately well drained.

(E) Soils formed from sandy coastal plain sediments, on low lying terraces, depressions, or flats where surface drainage is restricted. They are deep soils with coarse loamy textures throughout, commonly have high water tables even during some parts of the growing season, and thus are high water suppliers, and are poorly drained.

(F) Soils formed in coarse textured coastal plain sediments, in low lying landscape positions and are underlain by stratified loamy sediments. They are deep soils, with coarse loamy textures throughout, are high to moderately high water suppliers, and are somewhat poorly drained.

(G) Soils occurring from the Piedmont region westward, formed in locally transported, medium textured sediments of either colluvial or alluvial origin that overlay a wide range of residual materials. Located in landscape positions ranging from foot and toe slopes, to the heads of drainage ways, to depressions, to narrow upland drainage ways. They are deep soils with silty to loamy upper subsoils underlain with clayey to stony materials. They have moderately high water supplying capacities and range from moderately well to somewhat poorly drained.

(H) Soils located predominantly in the western Piedmont and mountainous regions and formed in alluvium along streams or terraces. They are moderately deep, have silty to clay loam subsurface textures, and are moderately high water suppliers. They are somewhat poorly to poorly drained unless artificial drainage is provided which increases their productive capacity significantly.

(I) Soils formed from alluvium along floodplains in the Coastal Plain and Piedmont provinces. As a result they are somewhat prone to hazards of flooding. They are deep soils with predominantly clay loam subsurface horizons, moderately high water suppliers, and are somewhat poorly drained.

(J) Soils formed from coastal plain sediments in low-lying landscape positions. They are deep soils with loamy subsurface horizons, moderately high water supplying capacity, and range from somewhat poorly to moderately well drained.

(K) Soils located mainly within the Coastal Plain region, forming from mixed marine and fluvial sediments on landscapes that range from stream terraces to broad, nearly level interfluvies in uplands. They are deep soils with loamy surfaces and clay loam to clayey subsurfaces, are moderate water suppliers, and are somewhat poorly drained.

(L) Soils common to the Piedmont and mountainous regions where they have formed from old transported deposits of alluvium or colluvium. They are common on stream terraces, foot slopes, and older, elevated, upland landscapes that were once stream terraces. They are deep soils with medium textured surfaces, more clayey subsurfaces, and commonly with gravels and rounded stones. They are moderate to high water suppliers and usually are well drained.

(M) Soils found mostly in the mountainous regions forming in material weathered from carbonate rocks. They are on upland summit and sideslope positions. They are deep soils with reddish brown, clayey subsurface horizons, sometimes with coarse fragments. They are moderate water suppliers, unless coarse fragment contents are significantly high, and they are well drained.

(N) Soils located on dissected uplands in the Piedmont region, and have formed from residuum ranging from weathered mafic rocks to triassic sediments. They are deep to moderately deep, have medium textured surfaces with reddish brown clayey subsurfaces, are moderate water suppliers, and are well drained.

(O) Soils formed from transported materials ranging from mountain colluvium to old alluvium on dissected uplands of the Piedmont and mountainous regions and as old elevated river terrace deposits. They range from deep to shallow, have very dark red clayey subsurface horizons, some may have significant coarse fragments, are moderate water suppliers, and are well drained.

(P) Soils formed in alluvium or colluvium and are in low lying terrace positions. All the physiographic provinces in Virginia are represented by one or more soils of this group. They are deep soils with clayey subsurface horizons and are moderate to high water suppliers. They are somewhat poorly drained unless artificial drainage is provided which increases the productive potential significantly.

(Q) Soils located on the upper Coastal Plains on the most stable parts of the nearly level upland landscape. They have formed in very old coastal plain sediments. They are deep soils with sandy surfaces and clayey to sandy clay subsurfaces with plinthite and/or a fragipan in the lower subsoil which may inhibit root growth. They are moderate to moderately low water suppliers when the plinthite or fragipan is nearer the surface. They are moderately well to somewhat poorly drained

depending on the depth to the plinthite or pan layer.

(R) Soils located on the gently sloping uplands of the Coastal Plain and have formed from marine sediments. They are deep soils with sandy loam surfaces, reddish yellow clayey to clay loam subsurfaces with some mottles in the lower part, are moderate water suppliers, and are well to moderately well drained.

(S) Soils found on gently sloping coastal plain uplands, are moderately deep, and have formed from loamy coastal plain sediments. They have fine loamy textures in the subsoil with moderate to high water supplying capacities, and are well to moderately well drained.

(T) Soils located on uplands and stream terraces in the coastal plains, are deep and have formed from loamy coastal plain sediments. They have fine loamy subsurface textures, usually underlain by coarser sediments, are moderate water suppliers, and are well drained.

(U) Includes soils in the mountainous and Piedmont regions that are moderately deep to shallow, and have formed from a variety of residual parent materials ranging from triassic sediments to sandstone, shales, and limestone, to colluvium from these materials. They commonly have fine loamy subsurface textures, commonly have coarse fragments to one third the soil volume, and as a result, are moderate to moderately low water suppliers. They are well to moderately well drained.

(V) Soils found on upland landscapes in the Piedmont, are moderately deep, and have formed from saprolites derived from a variety of parent materials ranging from slates, to granites, gneisses, schists, and more basic granitic rocks. They have clayey subsurface horizons, are moderate water suppliers, and are well drained.

(W) Includes soils in the mountainous and Piedmont regions, on stream terrace or footslope positions, and are formed from mixed colluvium. They have fragipans within the upper three feet of soil, have loamy subsurface horizons, commonly with accompanying coarse fragments. As a result they are moderately low water suppliers, and range from moderately well to somewhat poorly drained.

(X) Soils located on upland landscapes in the Piedmont region, are moderately deep, and are derived from a variety of residual materials including slates, granites, gneisses, and schists. They have clayey subsurface horizons, sometimes with coarse fragments or gravels, are moderate water suppliers, and are well to moderately well drained.

(Y) Soils representing upland landscapes in both mountainous and Piedmont regions. They range from shallow to moderately deep and have formed from the residuum of weathered limestones, shales, or other carbonate influenced rocks. They have clayey subsurface horizons, sometimes with coarse fragments, and are moderate to low water suppliers where shallow to bedrock. They are mostly well drained.

(Z) Soils formed in alluvium or colluvium and are in low lying terrace positions. All the physiographic provinces in Virginia are represented by one or more soils of this group. They are deep soils with clayey subsurface horizons, are moderately high water suppliers, and are somewhat poorly drained.

(AA) Upland soils, formed from a variety of sediments with the resulting soils ranging from deep

to shallow. They have clayey subsurface horizons, sometimes with coarse fragments, and as a result are moderately low in water supplying capacity. They range from somewhat poorly to moderately well drained.

(BB) Soils representing upland, terrace, or footslope landscapes in the western mountains, Piedmont, and Coastal Plains. The soils have formed from a variety of parent materials including colluvium, alluvium, and limestone residuum. The soils have fragipans that underlie silty to loamy subsurface horizons, sometimes with coarse fragments. The fragipans limit the rooting zone, thus, these soils are low to moderately low water suppliers. They are generally somewhat poorly drained.

(CC) The soils in this diverse group occur across the Piedmont and mountainous regions. They are formed from a range of parent materials that include alluvium, colluvium, and loamy saprolites. They are represented by a variety of landscapes including uplands, stream terraces and colluvial positions to bottomlands. The common soil features are moderately deep sola, clayey skeletal to coarse loamy subsurface horizons, some with as much as 70% coarse fragments, and have moderately low water supplying capacities. They are well drained.

(DD) This group of soils in the Coastal Plain have formed from loamy coastal plane sediments and local alluvium. They formed on gently sloping uplands and stream terraces. They are moderately deep soils with predominantly coarse loamy subsurface horizons, and some have arenic or very thick sandy surfaces. They have moderately low, water supplying capacities and are excessively drained.

(EE) Coastal Plains soils formed in loamy sediments, on low lying landscape positions. They are deep soils with coarse loamy to sandy subsurface horizons. Water tables are usually high in these soils during some part of the year yet the soil textures are very sandy. The drainage is poor to very poor on these soils.

(FF) Soils represented by this group extend across the Piedmont to the mountainous provinces and have formed in residual parent materials ranging from sandstone, shales, and slates, to loamy granitic saprolites, and mountain colluvium. They are on steeply dissected uplands and mountain side slopes. They are moderately shallow soils, mostly with loamy skeletal subsurface horizons that may contain 80 %, or more, coarse fragments. As a result the water supplying capacity of the soils is low to very low. The soils are well to moderately well drained.

(GG) The soils in this group of Piedmont and mountainous soils formed from cherty limestone or other residuum. They are on ridge top and side slope positions and are deep to moderately deep soils. They have loamy skeletal subsurface horizons, usually with greater than 60 % coarse fragments, are low water suppliers and are well drained.

(HH) All physiographic provinces of Virginia are represented by one or more soils from this group. They formed from loamy sediments in floodplain positions in the mountains and Piedmont to finer textured sediments in the Coastal Plain. They are moderately deep soils with fine loamy or clayey subsurface textures, have moderate water supplying capacities, and range from somewhat poorly to moderately well drained.

(II) All physiographic provinces of Virginia are represented by one or more soils from this group. The common feature is that all have formed from sandy parent materials within the Coastal Plain, or from local alluvium or colluvium of sandy origin. They range from deep, in Coastal Plain from

alluvial materials, to shallow in upland positions in the mountainous and Piedmont region. They are sandy textured throughout, with little horizonation, are low to very low in water supply, and are well to moderately well drained.

(JJ) The soils in this group are from either the Piedmont or mountainous regions and have formed from a wide variety of residual parent materials ranging from sandstones, shales, and limestones, to triassic materials, phillites, and granite saprolites or schists. They are shallow soils, predominantly with loamy skeletal textures throughout, ranging from 30 to 70 % coarse fragments. They are very low water suppliers and are well drained.

(KK) Soils in this group located predominantly in the Piedmont region and have formed from a variety of residual materials including triassic sediments, residuum from basic rocks, and other clayey sediments. They are moderately deep soils with clayey textured subsurface horizons, commonly with large components of high shrink-swell clays. They are moderate water suppliers and range from moderately well to somewhat poorly drained.

(LL) Soils found mostly in the Coastal Plain region, have formed from clayey sediments or formed from saprolites over basic rocks, and are on low coastal plain landscapes or gently sloping piedmont uplands. They are deep soils with clayey subsurface textures throughout. They are moderate water suppliers, and are somewhat poorly to poorly drained.

(MM) Soils located on floodplains in the Coastal Plain, formed from loamy sediments, flood frequently, have moderate to high water supplying capacity and are poorly drained.

(NN) These are the undrained soils that are listed in group "H". They are predominantly in the mountainous and western Piedmont region and have formed in alluvium along streams or on terraces. They are moderately deep, have silty to clay loam subsurface textures, are moderately high water suppliers, and are somewhat poorly to poorly drained.

(OO) These are the undrained soils that are listed in group "C". They are formed from alluvium or coastal plain sediments, on terraces, levees, and broad nearly level landscapes in the Coastal Plain. They have loamy to silty textures throughout, have high water supplying capacities, and are poorly drained.

(PP) Soils found within the Coastal Plain, and are represented by the marshes and tidal wetlands. They formed in depressions, tidal basins, tidal flats, and other ponded areas. Some have organic horizons, some have clayey mineral horizons, and some have sulfidic materials. They have water tables at or near the soil surface, and are saturated most of the time.

(QQ) The soils in this group represent the coastal sand dunes of the tidewater area. They are deep, extremely sandy, have low water supplying capacity, and are excessively drained.

Table 2 . Soil Management Groups and Productivity Estimates

SOIL MANAGEMENT GROUP	SOILS	(RV, High)		(Low, RV)		(High)	(Low, RV)		(High)
		<u>CORN</u>	<u>FULL SEASON SOYBEAN</u>	<u>DOUBLE CROP SOYBEAN</u>	<u>STANDARD WHEAT</u>	<u>INTENSIVE WHEAT</u>	<u>STANDARD BARLEY</u>	<u>INTENSIVE BARLEY</u>	
--- YIELD POTENTIAL, Bu/A ---									
A *	Bermudian, Buckton, Chagrin, Chagrin variant, Codorus, Codorus variant, Comus, Congaree, Elk, French, Greendale, Grigsby, Huntington, Linside, Lobdell, Margo, Massanetta, Nolin, Pope, Ross, Rowland, Staser, Suches, Tioga, Tuckahoe, Weaver, Wheeling	160	50	40	64	80	100	115	
B	Altavista, Delanco, McQueen, Pamunkey, Pamunkey variant, Sequatchie, State (Mainland), Wickham, Wickham variant	160	50	40	64	80	100	115	
C (DRAINED)	Acredale, Aden, Bayboro, Bether, Bladen, Cape Fear, Chapanoke, Chatuge, Daleville, Deloss, Elkton, Hyde, Johns, Johns variant, Kinkora, Kinston, Leaf, Lumbee, Lumbee variant, Meggett, Myatt, Myatt variant, Orrville, Orrville variant, Othello, Pantego, Pasquotank, Pooler variant, Portsmouth, Rains, Tomotley, Toxaway, Wahee, Weeksville, Yemassee	150	45	40	56	70	70	88	
D	Chester, Chester Loam, Fairfax, Manassas, Myersville, Purcellville, Sudley	150	45	40	64	80	100	115	
E	Alticrest, Barclay, Dragston, Fallsington, Lynchburg, Nimmo, Osier, Pocomoke, Torhunta, Weston	140	40	34	64	80	100	115	
F	Iuka, Linden, Munden, Nansemond, Stough	140	40	34	64	80	100	115	
G *	Abell, Abell variant, Cotaco, Cotaco variant, Duffield, Emory, Meadowville, Meadowville variant, Murrill, Riverview, Seneca, Shouns, Slabtown, Starr, Timberville, Timberville variant, Tusquitee	140	40	34	64	80	100	115	
H * (DRAINED)	Dunning, Lickdale, Melvin, Newark, Newark variant, Philo, Purdy, Roanoke	140	40	34	48	60	60	75	
I	Bowmansville, Cartecay, Chenneby, Chewacla, Mantachie, Monacan	140	40	34	64	80	100	115	
J	Bertie, Bleakhill, Bolling, Bolling variant, Goldsboro, Izagora, Mount Lucas, Woodstown, Wrightsboro	130	40	32	64	80	100	115	
K	Ackwater, Dogue, Duplin, Keyport, Marumsco, Mattapex, Slagle, Tetotum, Tetotum variant, Yeopim, Zoar	130	40	32	64	80	100	115	

SOIL MANAGEMENT GROUP	SOILS		(RV, High) FULL SEASON SOYBEAN	(Low) DOUBLE CROP SOYBEAN	(Low, RV) STANDARD WHEAT	(High) INTENSIVE WHEAT	(Low, RV) STANDARD BARLEY	(High) INTENSIVE BARLEY
		CORN						
			--- YIELD POTENTIAL, Bu/A ---					
L *	Allegheny, Birdsboro, Clifton, Edneytown, Elsinboro, Evard, Hayter, Masada, Shelocta, Shelocta variant, Thurmont, Unison, Unison variant, Waynesboro	130	40	32	64	80	100	115
M *	Athol, Bolton, Decatur, Edom, Elliber, Frederick, Frederick/Lodi, Groseclose, Guernsey, Hagerstown, Hublersburg, Lodi, Lowell, Maury, Pisgah, Poplimento, Swimley, Vertrees	130	40	32	64	80	100	115
N	Cullen, Davidson, Eubanks, Fauquier, Glenelg(BRH), Lloyd, Lloyd variant, Minnieville, Montalto, Rabun, Rapidan	130	40	32	64	80	100	115
O	Appomattox, Austinville, Braddock, Dyke, Hiwassee, Hiwassee variant, Nolichucky, Shenval, Starr-Dyke, Turbeville	130	40	32	64	80	100	115
P * (DRAINED)	Augusta, Augusta variant, Dunbar, Fork, Fork variant, McGary, Tygart	130	40	32	56	70	70	88
Q	Atlee, Dothan, Freemanville, Montross, Tifton, Varina, Vaucluse	120	40	30	56	70	70	88
R	Aycock, Bama, Cahaba, Emporia, Faceville, Granville, Marlboro, Matapeake, Mattaponi, Norfolk, Orangeburg, Quantico	120	40	30	56	70	70	88
S	Kalmia, Kempsville, Ruston	120	40	30	56	70	70	88
T	Aura, Bojac(ES, VA Beach, Ches.), Dumfries, Edneyville, Eunola, Gritney, Marr, Sassafras, State (ES), Suffolk	110	40	30	56	70	70	88
U *	Arcola, Bookwood, Brecknock, Bucks, Clymer, Faywood, Fletcher, Frankstown, Gilpin, Gilpin variant, Glenelg(NV), Halewood, Jefferson, Jefferson variant, Leck Kill, Panorama, Rayne, Sequoia, Totier, Trappist, Webbtown, Westmoreland, Whiteford	110	40	30	56	70	70	88
V	Appling, Brockroad, Buckhall, Chesterfield, Gundy, Gunstock, Hanceville, Herndon, Legore, Mayodan, Mecklenburg, Mecklenburg variant, Nason, Spotsylvania, Watauga Wedowee	100	35	25	56	70	70	88
W *	Aldino, Ardilla, Clarksburg, Ernest, Glenville, Laidig, Landisburg, Malbis, Marbie, Meckesville, Monongahela, Raritan, Readington, Savannah, Trego	100	35	25	40	50	50	63

SOIL MANAGEMENT GROUP	SOILS	(RV, High)	(Low)	(Low, RV)	(High)	(Low, RV)	(High)	
		FULL SEASON <u>CORN</u>	DOUBLE CROP <u>SOYBEAN</u>	<u>STANDARD</u> <u>WHEAT</u>	<u>INTENSIVE</u> <u>WHEAT</u>	<u>STANDARD</u> <u>BARLEY</u>	<u>INTENSIVE</u> <u>BARLEY</u>	
--- YIELD POTENTIAL, Bu/A ---								
X	Catharpin, Cecil, Culpeper, Elioak, Georgeville, Grover, Gwinnett variant, Hayesville, Madison, Pacolet, Rion, Stoneville, Tatum, Wadesboro, Yadkin	100	35	25	56	70	70	88
Y *	Bland, Caneyville, Carbo, Dulles, Endcav, Enon, Fluvanna, Oaklet, Pagebrook, Vance, Zion, Zion variant	100	35	25	48	60	60	75
Z * (UNDRAINED)	Augusta, Augusta variant, Dunbar, Fork, Fork variant, McGary, Tygart	100	35	25	40	50	50	63
AA	Angie, Angie variant, Caroline, Christian, Christiana, Lunt	100	35	25	56	70	70	88
BB *	Airmont, Beltsville, Belvoir, Bourne, Bourne variant, Buchanan, Burketown, Burrowsville, Calverton, Captina, Colfax, Colfax variant, Goldvein, Hoadley, Leadvale, Neabsco, Nicholson, Nixa, Rohrsersville, York	85	25	18	48	60	60	75
CC *	Craigsville, Durham, Edgehill, Edgehill variant, Hartsells, Hawksbill, Lewisburg, Matneflat, Rigley, Sherando	85	25	18	56	70	70	88
DD *	Bojac(Mainland, excluding VA Beach & Ches.), Bonneau, Conetoe, Kenansville, Kenansville variant, Lucy, McLaurin, Occoquan, Pocalla, Remlik, Rumford, Saffell, Uchee, Wagram	85	25	18	56	70	70	88
EE	Arapahoe, Bibb, Chavies, Chavies variant, Chipley, Corolla, Klej, Lakehurst, Pactolus, Plummer, Seabrook, Seagate, Woodington	85	25	18	48	60	60	75
FF *	Alamance, Ashlar, Ayersville, Blairton, Brandywine, Brentsville, Burton, Cardiff, Dekalb, Drall, Gaila, Gainesboro, Hartleton, Lansdale, Laroque, Lew, Lily, Louisburg, Manor, Needmore, Oakhill, Oatlands, Penn, Poindexter, Poindexter variant, Porters, Rushtown, Sekil, Spivey, Stumptown, Sweetapple, Wateree	85	25	18	48	60	60	75
GG	Bailegap, Clarksville, Grimsley, Parker, Poynor, Summers, Weverton	85	25	18	40	50	50	63
HH *	Atkins, Baile, Blago, Craven, Hatboro, Nevarc, Partlow, Peawick, Toddstav, Worsham, Worsham variant	85	25	18	48	60	60	75
II *	Alaga, Biltmore, Buncombe, Catpoint, Evesboro, Galestown, Lakeland, Lakin, Leetonia, Leon, Lewisberry, Millrock, Molena, Ochlockonee, Ochlockonee variant, Schaffenaker, Tarboro, Toccoa, Wakulla, Westphalia	65	20	15	48	60	60	75

SOIL MANAGEMENT GROUP	SOILS	(RV, High)	(Low)	(Low, RV)	(High)	(Low, RV)	(High)	
		FULL SEASON CORN	DOUBLE CROP SOYBEAN	STANDARD WHEAT	INTENSIVE WHEAT	STANDARD BARLEY	INTENSIVE BARLEY	
--- YIELD POTENTIAL, Bu/A ---								
JJ *	Albemarle, Ashe, Berks, Bremono, Buckingham, Calvin, Cataska, Catlett, Catoclin, Chilhowie, Clearbrook, Corydon, Dandridge, Goldston, Hazel, Hazleton, Klinsville, Lehew, Litz, Louisa, Louisa variant, Manteo, Misenheimer, Nestoria, Newbern, Opequon, Pinkston, Ramsey, Reaville, Spray, Spriggs, Steinsburg, Talladega, Tallapoosa, Tallapoosa variant, Wallen, Watt, Watt variant, Weikert, Wilkes, Wurno	65	20	15	40	50	50	63
KK	Albano, Creedmoor, Creedmoor variant, Haymarket, Helena, Iredell, Iredell variant, Jackland, Kelly, Leaksville, Library, Orange, Orange variant, Orenda, Sedgewfield, Susquehanna, Sycoline, Trenholm, White Store, White Store variant	65	20	15	24	30	30	38
LL	Chastain, Chickahominy, Coxville, Croton, Elbert, Elbert variant, Evansham, Forestdale, Hollywood, Lenoir, Lignum, Newflat, Okeetee, Pouncey, Robertsville, Stanton, Waxpool	65	20	15	24	30	30	38
MM	Muckalee, Wehadkee	65	20	15	24	30	30	38
NN * (UNDRAINED)	Dunning, Lickdale, Melvin, Newark, Newark variant, Philo, Purdy, Roanoke	65	20	15	24	30	30	38
OO (UNDRAINED)	Acredale, Aden, Bayboro, Bethera, Bladen, Cape Fear, Chapanoke, Chatuge, Daleville, Deloss, Elkton, Hyde, Johns, Johns variant, Kinkora, Kinston, Leaf, Lumbee, Lumbee variant, Meggett, Myatt, Myatt variant, Orrville, Orrville variant, Othello, Pantego, Pasquotank, Pooler variant, Portsmouth, Rains, Tomotley, Toxaway, Wahee, Weeksville, Yemassee	65	20	15	24	30	30	38
PP	Argent, Axis, Backbay, Belhaven, Bohicket, Camocca, Carteret, Chincoteague, Dawhoo, Dawhoo variant, Dorovan, Featherstone, Johnston, Lanexa, Levy, Magotha, Mattamuskeet, Mattan, Nawney, Pamlico, Pocaty, Pungo, Rappahanock	65	20	15	24	30	30	38
QQ	Assateague, Duckston, Fisherman, Fripp, Newhan	65	20	15	24	30	30	38

* Length of growing season for some soils in this group may not be favorable for reaching the yield goal for soybean.

Table 3. Soil Productivity Groups vs. Soil Management Groups for Corn Grain

Soil Management Groups	Soil Productivity Groups	Realistic Yield, Bu/A
A, B	Ia	160
C, D	Ib	150
E, F, G, H, I	IIa	140
J, K, L, M, N, O, P	IIb	130
Q, R, S	IIIa	120
T, U	IIIb	110
V, W, X, Y, Z, AA	IVa	100
BB, CC, DD, EE, FF, GG, HH	IVb	85
II, JJ, KK, LL, MM, NN, OO, PP, QQ	V	65

Table 4. Soil Productivity Groups vs. Soil Management Groups for Intensive Wheat

Soil Management Groups	Soil Productivity Groups	Realistic Yield, Bu/A
A, B, D, E, F, G, I, J, K, L, M, N, O	I	80
C, P, Q, R, S, T, U, V, X, CC, DD	II	70
H, Y, BB, EE, FF, HH, II	III	60
W, Z, GG, JJ	IV	50
KK, LL, MM, NN, OO, PP, QQ	V	30

Table 5. Soil Productivity Groups vs. Soil Management Groups for Canola

Soil Management Groups	Soil Productivity Groups	Realistic Yield, Bu/A
A, B, C, D, F	I	70 +
J, K, L, M, N, O, Q, R, S, T, U	II	60 - 70
V, X, Y, DD	III	50 - 60
G, W, Z, BB, CC, FF, GG, II, JJ	IV	40 - 50
C, E, P, AA	Va	*
H, I, EE, HH, KK, LL, MM, NN, OO, PP, QQ	Vb	**

* These are somewhat poorly drained soil. In some years, excess water will result in serious stand and subsequent yield reductions. In years when this is not a problem, yields will be good.

** Not suited, too wet.

Table 6. Soil Productivity Groups vs. Soil Management Groups for Alfalfa and Alfalfa-Orchardgrass Hay

Soil Management Groups	Soil Productivity Groups	Realistic Yield, T/A
A, D, M	I	> 6 T/A
B, G, N, O	II	4-6 T/A
F, K, L, R, U, V, X	III	<4 T/A
C, E, H, I, J, EE, HH, S, T, DD, GG, II, Q, W, BB, Y, AA, KK, CC, FF, JJ	IV - V	Not Suited: Too Wet Droughty Fragipans Claypan Shallow Profiles

Table 7. Soil Productivity Groups vs. Soil Management Groups for Tall Grass-Clover Hay

Soil Management Groups	Soil Productivity Groups	Realistic Yield, Bu/A
A, B, C, D, G, I, J, K	I	>4.0 T/A
E, F, L, M, N, O, R, U	II	3.5-4.0 T/A
Q, S, T, V, X, Y, BB, CC, DD, FF, GG	III	3.0-3.5 T/A
H, P, W, AA, HH, JJ, KK, LL, MM	IV	<3.0 T/A
Z, EE, NN, OO, PP, II, QQ	---	Not Suited: Too Wet Too Dry

Table 8. Soil Productivity Groups vs. Carrying Capacity for Pasture

Soil Productivity Groups	Acres per Animal Unit* Required for April 1-October 31
I	1.0
II	1.1-1.5
III	1.6-3.0
IV, V	3.1-6.5

* Animal Unit (AU) - one 1000 lb. cow and her calf
or two 500 lb. steers
or five ewes with lambs

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Abell	G	Ila	I	II	IV	II	I
Abell variant	G	Ila	I	II	IV	II	I
Ackwater	K	IIb	I	II	II	III	I
Acredale (drained)	C	Ib	II	Ib	I	NS*	I
Acredale (undrained)	OO	V	V	V	Vb	NS*	NS*
Aden (drained)	C	Ib	II	Ib	I	NS*	I
Aden (undrained)	OO	V	V	V	Vb	NS*	NS*
Airmont	BB	IVb	III	IV	IV	NS*	III
Alaga	II	V	III	V	IV	NS*	NS*
Alamance	FF	IVb	III	IV	IV	NS*	III
Alanthus	D	Ib	I	Ib	I	I	I
Albano	KK	V	V	V	Vb	NS*	IV
Albemarle	JJ	V	IV	V	IV	NS*	IV
Alderflats	NN	V	V	V	Vb	NS*	NS*
Aldino	W	IVa	IV	III	IV	NS*	IV
Allegheny	L	IIb	I	II	II	III	II
Alluvial Land, wet	MM	V	V	V	Vb	NS*	IV
Alonemill	A	Ia	I	Ia	I	I	I
Alonemill, Fluvaquentic	I	Ila	I	II	Vb	NS*	I
Alonzville	L	IIb	I	II	II	III	II
Altavista	B	Ia	I	Ia	I	II	I
Altavista, variant	B	Ia	I	Ia	I	II	I
Alticrest	E	Ila	I	II	Va	NS*	II
Angie	AA	IVa	II	III	Va	NS*	IV
Angie variant	AA	IVa	II	III	Va	NS*	IV
Appling	V	IVa	II	III	III	III	III
Appling gritty	V	IVa	II	III	III	III	III
Appomattox	O	IIb	I	II	II	II	II
Arapahoe	EE	IVb	III	IV	Vb	NS*	NS*
Arcola	U	IIIb	II	II	II	III	II
Ardilla	W	IVa	IV	III	IV	NS*	IV
Argent	PP	V	V	V	Vb	NS*	NS*
Arkaqua	I	Ila	I	II	Vb	NS*	I

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Ashburn	U	IIIb	II	II	II	III	II
Ashe	GG	IVb	IV	IV	IV	NS*	III
Ashlar	FF	IVb	III	IV	IV	NS*	III
Assateague	QQ	V	V	V	Vb	NS*	NS*
Athol	M	IIb	I	II	II	I	II
Atkins	HH	IVb	III	IV	Vb	NS*	IV
Atlee	Q	IIIa	II	II	II	NS*	III
Augusta (drained)	P	IIb	II	II	Va	NS*	III
Augusta (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Augusta variant (drained)	P	IIb	II	II	Va	NS*	III
Augusta variant (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Aura	T	IIIb	II	II	II	NS*	III
Austinville	O	IIb	I	II	II	II	II
Axis	PP	V	V	V	Vb	NS*	NS*
Aycock	R	IIIa	II	II	II	III	II
Ayersville	FF	IVb	III	IV	IV	NS*	III
Backbay	PP	V	V	V	Vb	NS*	NS*
Badin	X	IVa	II	III	III	III	II
Baile	HH	IVb	III	IV	Vb	NS*	IV
Bailegap	GG	IVb	IV	IV	IV	NS*	III
Balsam	GG	IVb	IV	IV	IV	NS*	III
Bama	R	IIIa	II	II	II	III	II
Banister	K	IIb	I	II	II	III	I
Barclay	E	IIa	I	II	Va	NS*	II
Batteau	I	IIa	I	II	Vb	NS*	I
Bayboro (drained)	C	Ib	II	Ib	I	NS*	I
Bayboro (undrained)	OO	V	V	V	Vb	NS*	NS*
Beckham	O	IIb	I	II	II	II	II
Bedington	FF	IVb	III	IV	IV	NS*	III
Beech	L	IIb	I	II	II	III	II
Beech Grove	JJ	V	IV	V	IV	NS*	IV
Belhaven	PP	V	V	V	Vb	NS*	NS*
Beltsville	BB	IVb	III	IV	IV	NS*	III
Belvoir	BB	IVb	III	IV	IV	NS*	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Benthole	JJ	V	IV	V	IV	NS*	IV
Bentley	R	IIIa	II	II	II	III	II
Berks	JJ	V	IV	V	IV	NS*	IV
Berks variant	JJ	V	IV	V	IV	NS*	IV
Bermudian	A	Ia	I	Ia	I	I	I
Bertie	J	IIb	I	II	II	NS*	I
Bertie, variant	J	IIb	I	II	II	NS*	I
Bethera (drained)	C	Ib	I	Ib	I	NS*	I
Bethera (undrained)	OO	V	V	V	Vb	NS*	NS*
Bethesda	JJ	V	IV	V	IV	NS*	IV
Bethlehem	V	IVa	II	III	III	III	III
Bibb	EE	IVb	III	IV	Vb	NS*	NS*
Biltmore	II	V	III	V	IV	NS*	NS*
Birdsboro	L	IIb	I	II	II	III	II
Blackthorn	GG	IVb	IV	IV	IV	NS*	III
Bladen (drained)	C	Ib	II	Ib	I	NS*	I
Bladen (undrained)	OO	V	V	V	Vb	NS*	NS
Blago	HH	IVb	III	IV	Vb	NS*	IV
Blairton	FF	IVb	III	IV	IV	NS*	III
Bland	Y	IVa	III	III	III	NS*	III
Bleakhill	J	IIb	I	II	II	NS*	I
Blocktown	JJ	V	IV	V	IV	NS*	IV
Bloodyhorse	JJ	V	IV	V	IV	NS*	IV
Bluemont	JJ	V	IV	V	IV	NS*	IV
Bohicket	PP	V	V	V	Vb	NS*	NS*
Bojac (ES, VA Beach, Ches	T	IIIb	II	II	II	NS*	III
Bojac (Mainland)	DD	IVb	II	IV	III	NS*	III
Bolling	J	IIb	I	II	II	NS*	I
Bolling variant	J	IIb	I	II	II	NS*	I
Bolton	M	IIb	I	II	II	I	II
Bonneau	DD	IVb	II	IV	III	NS*	III
Bookwood	U	IIIb	II	II	II	III	II
Botetourt	A	Ia	I	Ia	I	I	I
Bourne	BB	IVb	III	IV	IV	NS*	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Bourne variant	BB	IVb	III	IV	IV	NS*	III
Bowmansville	I	Ila	I	II	Vb	NS*	I
Braddock	O	IIb	I	II	II	II	II
Brandywine	FF	IVb	III	IV	IV	NS*	III
Brecknock	U	IIIb	II	II	II	III	II
Bremo	JJ	V	IV	V	IV	NS*	IV
Brentsville	FF	IVb	III	IV	IV	NS*	III
Brevard	B	Ia	I	Ia	I	II	I
Brickhaven	Y	IVa	III	III	III	NS*	III
Brinkerton	LL	V	V	V	Vb	NS*	IV
Brinklow	FF	IVb	III	IV	IV	NS*	III
Broadway	A	Ia	I	Ia	I	I	I
Brockroad	V	IVa	II	III	III	III	III
Brownsville	JJ	V	IV	V	IV	NS*	IV
Brownwood	JJ	V	IV	V	IV	NS*	IV
Brumbaugh	L	IIb	I	II	II	III	II
Brushy	JJ	V	IV	V	IV	NS*	IV
Buchanan	BB	IVb	III	IV	IV	NS*	III
Buchanan cobbly	JJ	V	IV	V	IV	NS*	IV
Buckhall	V	IVa	II	III	III	III	III
Buckingham	JJ	V	IV	V	IV	NS*	IV
Bucks	U	IIIb	II	II	II	III	II
Buckton	A	Ia	I	Ia	I	I	I
Buffstat	V	IVa	II	III	III	III	III
Bugley	JJ	V	IV	V	IV	NS*	IV
Buncombe	II	V	III	V	IV	NS*	NS*
Burketown	BB	IVb	III	IV	IV	NS*	III
Burrowsville	BB	IVb	III	IV	IV	NS*	III
Burton	FF	IVb	III	IV	IV	NS*	III
Buzzrock	JJ	V	IV	V	IV	NS*	IV
Cahaba	R	IIIa	II	II	II	III	II
Calverton	BB	IVb	III	IV	IV	NS*	III
Calvin	JJ	V	IV	V	IV	NS*	IV
Calvin cobbly	JJ	V	IV	V	IV	NS*	IV

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Camocca	PP	V	V	V	Vb	NS*	NS*
Caneyville	Y	IVa	III	III	III	NS*	III
Cape Fear (drained)	C	Ib	II	Ib	I	NS*	I
Cape Fear (undrained)	OO	V	V	V	Vb	NS*	NS*
Captina	BB	IVb	III	IV	IV	NS*	III
Carbo	Y	IVa	III	III	III	NS*	III
Carbonton	Y	IVa	III	III	III	NS*	III
Cardiff	FF	IVb	III	IV	IV	NS*	III
Caroline	AA	IVa	II	III	Va	NS*	IV
Cartecay	I	Ila	I	II	Vb	NS*	I
Carteret	PP	V	V	V	Vb	NS*	NS*
Cataska	JJ	V	IV	V	IV	NS*	IV
Catharpin	X	IVa	II	III	III	III	II
Catlett	JJ	V	IV	V	IV	NS*	IV
Catlett variant	JJ	V	IV	V	IV	NS*	IV
Catoctin	JJ	V	IV	V	IV	NS*	IV
Catoctin variant	JJ	V	IV	V	IV	NS*	IV
Catpoint	II	V	III	V	IV	NS*	NS*
Caverns	I	Ila	I	II	Vb	NS*	I
Cecil	X	IVa	II	III	III	III	II
Cedarcreek	GG	IVb	IV	IV	IV	NS*	III
Chagrin	A	Ia	I	Ia	I	I	I
Chagrin variant	A	Ia	I	Ia	I	I	I
Chandler	FF	IVb	III	IV	IV	NS*	III
Chapanoke (drained)	C	Ib	II	Ib	I	NS*	I
Chapanoke (undrained)	OO	V	V	V	Vb	NS*	NS*
Chastain	LL	V	V	V	Vb	NS*	IV
Chatuge (drained)	C	Ib	II	Ib	I	NS*	I
Chatuge (undrained)	OO	V	V	V	Vb	NS*	NS*
Chavies	EE	IVb	III	IV	Vb	NS*	NS*
Chavies variant	EE	IVb	III	IV	Vb	NS*	NS*
Chenneby	I	Ila	I	II	Vb	NS*	I
Chesapeake	B	Ia	I	Ia	I	II	I
Chester	D	Ib	I	Ib	I	I	I

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Chester Loam	D	IVa	II	III	III	III	III
Chesterfield	V	Ia	I	Ia	I	I	I
Chestnut	GG	IVb	IV	IV	IV	NS*	III
Chewacla	I	IIa	I	II	Vb	NS*	I
Chickahominy	LL	V	V	V	Vb	NS*	IV
Chilhowie	JJ	V	IV	V	IV	NS*	IV
Chincoteague	PP	V	V	V	Vb	NS*	NS*
Chipley	EE	IVb	III	IV	Vb	NS*	NS*
Chiswell	JJ	V	IV	V	IV	NS*	IV
Christian	AA	IVa	II	III	Va	NS*	IV
Christiana	AA	IVa	II	III	Va	NS*	IV
Cid	K	IIb	I	II	II	III	I
Claiborne	U	IIIb	II	II	II	III	II
Clapham	W	IVa	IV	III	IV	NS*	IV
Clarksburg	W	IVa	IV	III	IV	NS*	IV
Clarksville	GG	IVb	IV	IV	IV	NS*	III
Clearbrook	JJ	V	IV	V	IV	NS*	IV
Clifffield	JJ	V	IV	V	IV	NS*	IV
Clifford	X	IVa	II	III	III	III	II
Clifton	L	IIb	I	II	II	III	II
Clover	V	IVa	II	III	III	III	III
Cloverlick	JJ	V	IV	V	IV	NS*	IV
Clubcaf	LL	V	V	V	Vb	NS*	IV
Clymer	U	IIIb	II	II	II	III	II
Codorus	A	Ia	I	Ia	I	I	I
Codorus stony	A	Ia	I	Ia	I	I	I
Codorus variant	A	Ia	I	Ia	I	I	I
Colescreek	L	IIb	I	II	II	III	II
Colfax	BB	IVb	III	IV	IV	NS*	III
Colfax variant	BB	IVb	III	IV	IV	NS*	III
Colleen	KK	V	V	V	Vb	NS*	IV
Colvard	II	V	III	V	IV	NS*	NS*
Colvard fine	II	V	III	V	IV	NS*	NS*
Colvard stony	II	V	III	V	IV	NS*	NS*

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Combs	DD	IVb	II	IV	III	NS*	III
Comus	A	Ia	I	Ia	I	I	I
Conetoe	DD	IVb	II	IV	III	NS*	III
Congaree	A	Ia	I	Ia	I	I	I
Coosaw	DD	IVb	II	IV	III	NS*	III
Corolla	EE	IVb	III	IV	Vb	NS*	NS*
Corydon	JJ	V	IV	V	IV	NS*	IV
Cotaco	G	Ila	I	II	IV	II	I
Cotaco cobbly	G	Ila	I	II	IV	II	I
Cotaco variant	G	Ila	I	II	IV	II	I
Cottonbend	L	IIb	I	II	II	III	II
Coursey	G	Ila	I	II	IV	II	I
Cowee	N	IIb	I	II	II	II	II
Coxville	LL	V	V	V	Vb	NS*	IV
Craggy	JJ	V	IV	V	IV	NS*	IV
Craigsville	CC	IVb	II	IV	IV	NS*	III
Craven	HH	IVb	III	IV	Vb	NS*	IV
Creedmoor	KK	V	V	V	Vb	NS*	IV
Creedmoor variant	KK	V	V	V	Vb	NS*	IV
Croton	LL	V	V	V	Vb	NS*	IV
Cullasaja	FF	IVb	III	IV	IV	NS*	III
Cullen	N	IIb	I	II	II	II	II
Culleoka	U	IIIb	II	II	II	III	II
Culpeper	X	IVa	II	III	III	III	II
Culpeper variant	X	IVa	II	III	III	III	II
Daleville (drained)	C	Ib	II	Ib	I	NS*	I
Daleville (undrained)	OO	V	V	V	Vb	NS*	NS*
Dan River	G	Ila	I	II	IV	II	I
Dandridge	JJ	V	IV	V	IV	NS*	IV
Danripple	L	IIb	I	II	II	III	II
Davidson	N	IIb	I	II	II	II	II
Dawhoo	PP	V	V	V	Vb	NS*	NS*
Dawhoo variant	PP	V	V	V	Vb	NS*	NS*
Decatur	M	IIb	I	II	II	I	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Dekalb	FF	IVb	III	IV	IV	NS*	III
Dekalb variant	FF	IVb	III	IV	IV	NS*	III
Delanco	B	Ia	I	Ia	I	II	I
Delila	HH	IVb	III	IV	Vb	NS*	IV
Dellwood	CC	IVb	II	IV	IV	NS*	III
Deloss (drained)	C	Ib	II	Ib	I	NS*	I
Deloss (undrained)	OO	V	V	V	Vb	NS*	NS*
Derroc	CC	IVb	II	IV	IV	NS*	III
Devotion	FF	IVb	III	IV	IV	NS*	III
Diana Mills	V	IVa	II	III	III	III	III
Dillard	G	Ila	I	II	IV	II	I
Dogue	K	Ilb	I	II	II	III	I
Dogue variant	K	Ilb	I	II	II	III	I
Dorovan	PP	V	V	V	Vb	NS*	NS*
Dothan	Q	Ilb	II	II	II	NS*	III
Dragston	E	Ila	I	II	Va	NS*	II
Drall	FF	IVb	III	IV	IV	NS*	III
Drapermill	U	IIIb	II	II	II	III	II
Drypond	JJ	V	IV	V	IV	NS*	IV
Duckston	QQ	V	V	V	Vb	NS*	NS*
Duffield	G	Ila	I	II	IV	II	I
Dulles	Y	IVa	III	III	III	NS*	III
Dumfries	T	IIIb	II	II	II	NS*	III
Dunbar (drained)	P	Ilb	II	II	Va	NS*	III
Dunbar (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Dunning (drained)	H	Ila	III	II	Vb	NS*	IV
Dunning (undrained)	NN	V	V	V	Vb	NS*	NS*
Duplin	K	Ilb	I	II	II	III	I
Durham	CC	IVb	II	IV	IV	NS*	III
Dyke	O	IIIb	I	II	II	II	II
Easthamlet	KK	V	V	V	Vb	NS*	IV
Ebbing	A	Ia	I	Ia	I	I	I
Edgehill	CC	IVb	II	IV	IV	NS*	III
Edgehill variant	CC	IVb	II	IV	IV	NS*	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Edgemont	U	IIIb	II	II	II	III	II
Edneytown	L	IIb	I	II	II	III	II
Edneyville	GG	IVb	IV	IV	IV	NS*	III
Edom	M	IIb	I	II	II	I	II
Elbert	LL	V	V	V	Vb	NS*	IV
Elbert variant	LL	V	V	V	Vb	NS*	IV
Elioak	X	IVa	II	III	III	III	II
Elk	A	Ia	I	Ia	I	I	I
Elkton (drained)	C	Ib	II	Ib	I	NS*	I
Elkton (undrained)	OO	V	V	V	Vb	NS*	NS*
Elliber	M	IIb	I	II	II	I	II
Elsinboro	L	IIb	I	II	II	III	II
Emory	G	Ila	I	II	IV	II	I
Emporia	R	IIIa	II	II	II	III	II
Endcav	Y	IVa	III	III	III	NS*	III
Enon	Y	IVa	III	III	III	NS*	III
Enott	Y	IVa	III	III	III	NS*	III
Ernest	W	IVa	IV	III	IV	NS*	IV
Escatawba	L	IIb	I	II	II	III	II
Eubanks	N	IIb	I	II	II	II	II
Eulonia	K	IIb	I	II	II	III	I
Eunola	T	IIIb	II	II	II	NS*	III
Evansham	LL	V	V	V	Vb	NS*	IV
Evard	L	IIb	I	II	II	III	II
Evesboro	II	V	III	V	IV	NS*	NS*
Exum	J	IIb	I	II	II	NS*	I
Faceville	R	IIIa	II	II	II	III	II
Fairfax	D	Ib	I	Ib	I	I	I
Fairpoint	JJ	V	IV	V	IV	NS*	IV
Fairview	X	IVa	II	III	III	III	II
Fairystone	X	IVa	II	III	III	III	II
Fallsington	E	Ila	I	II	Va	NS*	II
Fauquier	N	IIb	I	II	II	II	II
Fauquier, deep phase	N	IIb	I	II	II	II	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Faywood	U	IIIb	II	II	II	III	II
Featherstone	PP	V	V	V	Vb	NS*	NS*
Feds creek	U	IIIb	II	II	II	III	II
Feedstone	X	IVa	II	III	III	III	II
Fisherman	QQ	V	V	V	Vb	NS*	NS*
Fiveblock	JJ	V	IV	V	IV	NS*	IV
Flatwoods	M	IIb	I	II	II	I	II
Fletcher	U	IIIb	II	II	II	III	II
Fluvanna	Y	IVa	III	III	III	NS*	III
Forestdale	LL	V	V	V	Vb	NS*	IV
Fork (drained)	P	IIb	II	II	Va	NS*	III
Fork (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Fork variant (drained)	P	IIb	II	II	Va	NS*	III
Fork variant (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Frankstown	U	IIIb	II	II	II	III	II
Frederick	M	IIb	I	II	II	I	II
Frederick/Lodi	M	IIb	I	II	II	I	II
Freemanville	Q	IIIa	II	II	II	NS*	III
French	A	Ia	I	Ia	I	I	I
Fripp	QQ	V	V	V	Vb	NS*	NS*
Funkstown	A	Ia	I	Ia	I	I	I
Gaila	FF	IVb	III	IV	IV	NS*	III
Gainesboro	FF	IVb	III	IV	IV	NS*	III
Galestown	II	V	III	V	IV	NS*	NS*
Galtsmill	II	V	III	V	IV	NS*	NS*
Georgeville	X	IVa	II	III	III	III	II
Gilpin	U	IIIb	II	II	II	III	II
Gilpin variant	U	IIIb	II	II	II	III	II
Gladehill	DD	IVb	II	IV	III	NS*	III
Glenelg (BlueRidgeHighlan	N	IIb	I	II	II	II	II
Glenelg (NewRiverValley)	U	IIIb	II	II	II	III	II
Glenville	W	IVa	IV	III	IV	NS*	IV
Goblintown	V	IVa	II	III	III	III	III
Goldsboro	J	IIb	I	II	II	NS*	I

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Goldston	JJ	V	IV	V	IV	NS*	IV
Goldvein	BB	IVb	III	IV	IV	NS*	III
Goldvein gritty	BB	IVb	III	IV	IV	NS*	III
Goresville	N	IIb	I	II	II	II	II
Granville	R	IIIa	II	II	II	III	II
Grassland	L	IIb	I	II	II	III	II
Greendale	A	Ia	I	Ia	I	I	I
Greenlee	GG	IVb	IV	IV	IV	NS*	III
Grigsby	A	Ia	I	Ia	I	I	I
Grimsley	GG	IVb	IV	IV	IV	NS*	III
Gritney	T	IIIb	II	II	II	NS*	III
Groseclose	M	IIb	I	II	II	I	II
Grover	X	IVa	II	III	III	III	II
Guernsey	M	IIb	I	II	II	I	II
Gullion	A	Ia	I	Ia	I	I	I
Gundy	V	IVa	II	III	III	III	III
Gunstock	V	IVa	II	III	III	III	III
Guyan	Z	IVa	IV	III	IV	NS*	NS*
Gwinnett variant	X	IVa	II	III	III	III	II
Hagerstown	M	IIb	I	II	II	I	II
Halewood	U	IIIb	II	II	II	III	II
Halifax	KK	V	V	V	Vb	NS*	IV
Hanceville	V	IVa	II	III	III	III	III
Hartleton	FF	IVb	III	IV	IV	NS*	III
Hartsells	CC	IVb	II	IV	IV	NS*	III
Hatboro	HH	IVb	III	IV	Vb	NS*	IV
Hawksbill	CC	IVb	II	IV	IV	NS*	III
Hawksbill cobbly	CC	IVb	II	IV	IV	NS*	III
Hayesville	X	IVa	II	III	III	III	II
Haymarket	KK	V	V	V	Vb	NS*	IV
Hayter	L	IIb	I	II	II	III	II
Haywood	JJ	V	IV	V	IV	NS*	IV
Hazel	JJ	V	IV	V	IV	NS*	IV
Hazel channery	JJ	V	IV	V	IV	NS*	IV

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Hazleton	JJ	V	IV	V	IV	NS*	IV
Helena	KK	V	V	V	Vb	NS*	IV
Helena taxadjunct	KK	V	V	V	Vb	NS*	IV
Herndon	V	IVa	II	III	III	III	III
Hibler	L	IIb	I	II	II	III	II
Hickoryknob	N	IIb	I	II	II	II	II
Highsplint	CC	IVb	II	IV	IV	NS*	III
Hiwassee	O	IIb	I	II	II	II	II
Hiwassee variant	O	IIb	I	II	II	II	II
Hoadley	BB	IVb	III	IV	IV	NS*	III
Hobucken	PP	V	V	V	Vb	NS*	NS*
Holly	NN	V	V	V	Vb	NS*	NS*
Hollywood	LL	V	V	V	Vb	NS*	IV
Hublersburg	M	IIb	I	II	II	I	II
Huntington	A	Ia	I	Ia	I	I	I
Hyde (drained)	C	Ib	II	Ib	I	NS*	I
Hyde (undrained)	OO	V	V	V	Vb	NS*	NS*
Inglestone	A	Ia	I	Ia	I	I	I
Iotla	A	Ia	I	Ia	I	I	I
Iredell	KK	V	V	V	Vb	NS*	IV
Iredell variant	KK	V	V	V	Vb	NS*	IV
Irongate	DD	IVb	II	IV	III	NS*	III
Itman	JJ	V	IV	V	IV	NS*	IV
Iuka	F	IIa	I	II	I	III	II
Izagora	J	IIb	I	II	II	NS*	I
Jackland	KK	V	V	V	Vb	NS*	IV
Jedburg	Z	IVa	IV	III	IV	NS*	NS*
Jefferson	U	IIIb	II	II	II	III	II
Jefferson variant	U	IIIb	II	II	II	III	II
Johns (drained)	C	Ib	II	Ib	I	NS*	I
Johns (undrained)	OO	V	V	V	Vb	NS*	NS*
Johns variant (drained)	C	IIIb	II	II	II	III	II
Johns variant (undrained)	OO	V	V	V	Vb	NS*	NS*
Johnston	PP	Ib	II	Ib	I	NS*	I

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Junaluska	U	V	V	V	Vb	NS*	NS*
Kalmia	S	IIIa	II	II	II	NS*	III
Kaymine	JJ	V	IV	V	IV	NS*	IV
Keener	O	IIb	I	II	II	II	II
Kelly	KK	V	V	V	Vb	NS*	IV
Kempsville	S	IIIa	II	II	II	NS*	III
Kenansville	DD	IVb	II	IV	III	NS*	III
Kenansville variant	DD	IVb	II	IV	III	NS*	III
Keyport	K	IIb	I	II	II	III	I
Kinkora (drained)	C	Ib	II	Ib	I	NS*	I
Kinkora (undrained)	OO	V	V	V	Vb	NS*	NS*
Kinston (drained)	C	Ib	II	Ib	I	NS*	I
Kinston (undrained)	OO	V	V	V	Vb	NS*	NS*
Klej	EE	IVb	III	IV	Vb	NS*	NS*
Klinesville	JJ	V	IV	V	IV	NS*	IV
Konnarock	JJ	V	IV	V	IV	NS*	IV
Lackstown	K	IIb	I	II	II	III	I
Laidig	W	IVa	IV	III	IV	NS*	IV
Laidig cobbly	W	IVa	IV	III	IV	NS*	IV
Lakehurst	EE	IVb	III	IV	Vb	NS*	NS*
Lakeland	II	V	III	V	IV	NS*	NS
Lakin	II	V	III	V	IV	NS*	NS
Landisburg	W	IVa	IV	III	IV	NS*	IV
Lanexa	PP	V	V	V	Vb	NS*	NS*
Lansdale	FF	IVb	III	IV	IV	NS*	III
Laroque	FF	IVb	III	IV	IV	NS*	III
Lawnes	PP	V	V	V	Vb	NS*	NS*
Leadvale	BB	IVb	III	IV	IV	NS*	III
Leaf (drained)	C	Ib	II	Ib	I	NS*	I
Leaf (undrained)	OO	V	V	V	Vb	NS*	NS*
Leaksville	KK	V	V	V	Vb	NS*	IV
Leck Kill	U	IIIb	II	II	II	III	II
Leedsville	L	IIb	I	II	II	III	II
Leetonia	II	V	III	V	IV	NS*	NS*

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Legore	V	IVa	II	III	III	III	III
Lehew	JJ	V	IV	V	IV	NS*	IV
Lenoir	LL	V	V	V	Vb	NS*	IV
Leon	II	V	III	V	IV	NS*	NS*
Levy	PP	V	V	V	Vb	NS*	NS*
Lew	FF	IVb	III	IV	IV	NS*	III
Lewisberry	II	V	III	V	IV	NS*	NS*
Lewisburg	CC	IVb	II	IV	IV	NS*	III
Library	KK	V	V	V	Vb	NS*	IV
Lickdale (drained)	H	Ila	III	II	Vb	NS*	IV
Lickdale (undrained)	NN	V	V	V	Vb	NS*	NS*
Lignum	LL	V	V	V	Vb	NS*	IV
Lily	FF	IVb	III	IV	IV	NS*	III
Linden	F	Ila	I	II	I	III	II
Lindside	A	Ia	I	Ia	I	I	I
Littlejoe	V	IVa	II	III	III	III	III
Litz	JJ	V	IV	V	IV	NS*	IV
Lloyd	N	IIb	I	II	II	II	II
Lloyd variant	N	IIb	I	II	II	II	II
Lobdell	A	Ia	I	Ia	I	I	I
Lodi	M	IIb	I	II	II	I	II
Lostcove	FF	IVb	III	IV	IV	NS*	III
Louisa	JJ	V	IV	V	IV	NS*	IV
Louisa variant	JJ	V	IV	V	IV	NS*	IV
Louisburg	FF	IVb	III	IV	IV	NS*	III
Lowell	M	IIb	I	II	II	I	II
Lucketts	Y	IVa	III	III	III	NS*	III
Lucy	DD	IVb	II	IV	III	NS*	III
Lumbee (drained)	C	Ib	II	Ib	I	NS*	I
Lumbee (undrained)	OO	V	V	V	Vb	NS*	NS*
Lumbee variant (drained)	C	Ib	II	Ib	I	NS*	I
Lumbee variant (undrained)	OO	V	V	V	Vb	NS*	NS*
Lunt	AA	IVa	II	III	Va	NS*	IV
Lynchburg	E	Ila	I	II	Va	NS*	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Macove	CC	IVb	II	IV	IV	NS*	III
Madison	X	IVa	II	III	III	III	II
Madsheep	JJ	V	IV	V	IV	NS*	IV
Maggodee	A	Ia	I	Ia	I	I	I
Magotha	PP	V	V	V	Vb	NS*	NS*
Malbis	W	IVa	IV	III	IV	NS*	IV
Manassas	D	Ib	I	Ib	I	I	I
Mandy	JJ	V	IV	V	IV	NS*	IV
Manor	FF	IVb	III	IV	IV	NS*	III
Mantachie	I	Ila	I	II	Vb	NS*	I
Manteo	JJ	V	IV	V	IV	NS*	IV
Marbie	W	IVa	IV	III	IV	NS*	IV
Marbleyard	FF	IVb	III	IV	IV	NS*	III
Margo	A	Ia	I	Ia	I	I	I
Markes	NN	V	V	V	Vb	NS*	NS*
Marlboro	R	IIIa	II	II	II	III	II
Marr	T	IIIb	II	II	II	NS*	III
Marumsco	K	Ib	I	II	II	III	I
Masada	L	Ib	I	II	II	III	II
Massanetta	A	Ia	I	Ia	I	I	I
Massanutten	JJ	V	IV	V	IV	NS*	IV
Matapeake	R	IIIa	II	II	II	III	II
Matewan	FF	IVb	III	IV	IV	NS*	III
Matneflat	CC	IVb	II	IV	IV	NS*	III
Mattamuskeet	PP	V	V	V	Vb	NS*	NS*
Mattan	PP	V	V	V	Vb	NS*	NS*
Mattapeake	B	Ia	I	Ia	I	II	I
Mattapex	K	Ib	I	II	II	III	I
Mattaponi	R	IIIa	II	II	II	III	II
Maurertown	LL	V	V	V	Vb	NS*	IV
Maury	M	Ib	I	II	II	I	II
Mayodan	V	IVa	II	III	III	III	III
McCamy	FF	IVb	III	IV	IV	NS*	III
McClung	O	Ib	I	II	II	II	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
McGary (drained)	P	Ib	II	II	Va	NS*	III
McGary (undrained)	Z	IVa	IV	III	IV	NS*	NS*
McLaurin	DD	IVb	II	IV	III	NS*	III
McQueen	B	Ia	I	Ia	I	II	I
Meadowfield	JJ	V	IV	V	IV	NS*	IV
Meadows	JJ	V	IV	V	IV	NS*	IV
Meadowville	G	Ila	I	II	IV	II	I
Meadowville variant	G	Ila	I	II	IV	II	I
Meckesville	W	IVa	IV	III	IV	NS*	IV
Mecklenburg	V	IVa	II	III	III	III	III
Mecklenburg variant	V	IVa	II	III	III	III	III
Meggett (drained)	C	Ib	II	Ib	I	NS*	I
Meggett (undrained)	OO	V	V	V	Vb	NS*	NS*
Melfa	PP	V	V	V	Vb	NS*	NS*
Melvin (drained)	H	Ila	III	II	Vb	NS*	IV
Melvin (undrained)	NN	V	V	V	Vb	NS*	NS*
Middleburg	G	Ila	I	II	IV	II	I
Millrock	II	V	III	V	IV	NS*	NS*
Minnieville	N	Ib	I	II	II	II	II
Mirerock	KK	V	V	V	Vb	NS*	IV
Misenheimer	JJ	V	IV	V	IV	NS*	IV
Molena	II	V	III	V	IV	NS*	NS*
Monacan	I	Ila	I	II	Vb	NS*	I
Mongle	C	Ib	II	Ib	I	NS*	I
Monongahela	W	IVa	IV	III	IV	NS*	IV
Montalto	N	Ib	I	II	II	II	II
Montonia	X	IVa	II	III	III	III	II
Montross	D	Ib	I	Ib	I	I	I
Moomaw	W	IVa	IV	III	IV	NS*	IV
Morven	G	Ila	I	II	IV	II	I
Mount Lucas	J	Ib	I	II	II	NS*	I
Mt Rogers	GG	IVb	IV	IV	IV	NS*	III
Muckalee	MM	V	V	V	Vb	NS*	IV
Munden	F	Ila	I	II	I	III	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Murrill	G	Ila	I	II	IV	II	I
Muskingum	U	IIIb	II	II	II	III	II
Myatt (drained)	C	Ib	II	Ib	I	NS*	I
Myatt (undrained)	OO	V	V	V	Vb	NS*	NS*
Myatt variant (drained)	C	Ib	II	Ib	I	NS*	I
Myatt variant (undrained)	OO	V	V	V	Vb	NS*	NS*
Myersville	D	Ib	I	Ib	I	I	I
Nahunta	E	Ila	I	II	Va	NS*	II
Nanford	V	IVa	II	III	III	III	III
Nansemond	F	Ila	I	II	I	III	II
Nason	V	IVa	II	III	III	III	III
Nawney	PP	V	V	V	Vb	NS*	NS*
Neabsco	BB	IVb	III	IV	IV	NS*	III
Needmore	FF	IVb	III	IV	IV	NS*	III
Nestoria	JJ	V	IV	V	IV	NS*	IV
Nevarc	HH	IVb	III	IV	Vb	NS*	IV
Newark (drained)	H	Ila	III	II	Vb	NS*	IV
Newark (undrained)	NN	V	V	V	Vb	NS*	NS*
Newark variant (drained)	H	Ila	III	II	Vb	NS*	IV
Newark variant (undrained)	NN	V	V	V	Vb	NS*	NS*
Newbern	JJ	V	IV	V	IV	NS*	IV
Newflat	LL	V	V	V	Vb	NS*	IV
Newhan	QQ	V	V	V	Vb	NS*	NS*
Newmarc	A	Ia	I	Ia	I	I	I
Nicelytown	A	Ia	I	Ia	I	I	I
Nicholson	BB	IVb	III	IV	IV	NS*	III
Nimmo	E	Ila	I	II	Va	NS*	II
Nixa	BB	IVb	III	IV	IV	NS*	III
Nolichucky	O	IIb	I	II	II	II	II
Nolin	A	Ia	I	Ia	I	I	I
Nollville	G	Ila	I	II	IV	II	I
Nomberville	A	Ia	I	Ia	I	I	I
Norfolk	R	IIIa	II	II	II	III	II
Oak Level	V	IVa	III	III	III	NS*	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Oakhill	FF	IVa	II	III	III	III	III
Oaklet	Y	IVb	III	IV	IV	NS*	III
Oatlands	FF	IVb	III	IV	IV	NS*	III
Occoquan	DD	IVb	II	IV	III	NS*	III
Ochlockonee	II	V	III	V	IV	NS*	NS*
Ochlockonee variant	II	V	III	V	IV	NS*	NS*
Ocilla	F	Ila	I	II	I	III	II
Ogles	CC	IVb	II	IV	IV	NS*	III
Okeetee	LL	V	V	V	Vb	NS*	IV
Opequon	JJ	V	IV	V	IV	NS*	IV
Orange	KK	V	V	V	Vb	NS*	IV
Orange variant	KK	IIla	II	II	II	III	II
Orangeburg	R	V	V	V	Vb	NS*	IV
Orenda	KK	V	V	V	Vb	NS*	IV
Oriskany	GG	IVb	IV	IV	IV	NS*	III
Orrville (drained)	C	Ib	II	Ib	I	NS*	I
Orrville (undrained)	OO	V	V	V	Vb	NS*	NS*
Orrville variant (drained)	C	Ib	II	Ib	I	NS*	I
Orrville variant (undrained)	OO	V	V	V	Vb	NS*	NS*
Osier	E	Ila	I	II	Va	NS*	II
Ostin	II	V	III	V	IV	NS*	NS*
Othello (drained)	C	Ib	II	Ib	I	NS*	I
Othello (undrained)	OO	V	V	V	Vb	NS*	NS*
Pacolet	X	IVa	II	III	III	III	II
Pactolus	EE	IVb	III	IV	Vb	NS*	NS*
Paddyknob	JJ	V	IV	V	IV	NS*	IV
Pagebrook	Y	IVa	III	III	III	NS*	III
Palms variant	PP	V	V	V	Vb	NS*	NS*
Pamlico	PP	V	V	V	Vb	NS*	NS*
Pamunkey	B	Ia	I	Ia	I	II	I
Pamunkey variant	B	Ia	I	Ia	I	II	I
Panorama	U	IIIb	II	II	II	III	II
Pantego (drained)	C	Ib	II	Ib	I	NS*	I
Pantego (undrained)	OO	V	V	V	Vb	NS*	NS*

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Parker	GG	IVb	IV	IV	IV	NS*	III
Partlow	HH	IVb	III	IV	Vb	NS*	IV
Pasquotank (drained)	C	Ib	II	Ib	I	NS*	I
Pasquotank (undrained)	OO	V	V	V	Vb	NS*	NS*
Peaks	JJ	V	IV	V	IV	NS*	IV
Peawick	HH	IVb	III	IV	Vb	NS*	IV
Pecktonville	M	IIb	I	II	II	I	II
Penhook	X	IVa	II	III	III	III	II
Penn	FF	IVb	III	IV	IV	NS*	III
Philo (drained)	H	IIa	III	II	Vb	NS*	IV
Philo (undrained)	NN	V	V	V	Vb	NS*	NS*
Philomont	D	Ib	I	Ib	I	I	I
Pigeonroost	N	IIb	I	II	II	II	II
Pilot Mountain	JJ	V	IV	V	IV	NS*	IV
Pineola	L	IIb	I	II	II	III	II
Pineville	U	IIIb	II	II	II	III	II
Pineywoods	NN	V	V	V	Vb	NS*	NS*
Pinkston	JJ	V	IV	V	IV	NS*	IV
Pinoka	JJ	V	IV	V	IV	NS*	IV
Pisgah	M	IIb	I	II	II	I	II
Plummer	EE	IVb	III	IV	Vb	NS*	NS*
Pocalla	DD	IVb	II	IV	III	NS*	III
Pocaty	PP	V	V	V	Vb	NS*	NS*
Pocomoke	E	IIa	I	II	Va	NS*	II
Poindexter	FF	IVb	III	IV	IV	NS*	III
Poindexter variant	FF	IVb	III	IV	IV	NS*	III
Polawana	PP	V	V	V	Vb	NS*	NS*
Pooler variant (drained)	C	Ib	II	Ib	I	NS*	I
Pooler variant (undrained)	OO	V	V	V	Vb	NS*	NS*
Pope	A	Ia	I	Ia	I	I	I
Poplimento	M	IIb	I	II	II	I	II
Porters	FF	IVb	III	IV	IV	NS*	III
Portsmouth (drained)	C	Ib	II	Ib	I	NS*	I
Portsmouth (undrained)	OO	V	V	V	Vb	NS*	NS*

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Pouncey	LL	V	V	V	Vb	NS*	IV
Poynor	GG	IVb	IV	IV	IV	NS*	III
Psammets	II	V	III	V	IV	NS*	NS*
Pungo	PP	V	V	V	Vb	NS*	NS*
Purcellville	D	Ib	I	Ib	I	I	I
Purdy (drained)	H	Ila	III	II	Vb	NS*	IV
Purdy (undrained)	NN	V	V	V	Vb	NS*	NS*
Quantico	R	IIIa	II	II	II	III	II
Rabun	N	I Ib	I	II	II	II	II
Rains (drained)	C	Ib	II	Ib	I	NS*	I
Rains (undrained)	OO	V	V	V	Vb	NS*	NS*
Ramsey	JJ	V	IV	V	IV	NS*	IV
Rapidan	N	I Ib	I	II	II	II	II
Rappahannock	PP	V	V	V	Vb	NS*	NS*
Raritan	W	IVa	IV	III	IV	NS*	IV
Rasalo	Y	IVa	III	III	III	NS*	III
Rayne	U	IIIb	II	II	II	III	II
Readington	W	IVa	IV	III	IV	NS*	IV
Reaville	JJ	V	IV	V	IV	NS*	IV
Redbrush	Y	IVa	III	III	III	NS*	III
Remlik	DD	IVb	II	IV	III	NS*	III
Rhodhiss	X	IVa	II	III	III	III	II
Rigley	CC	IVb	II	IV	IV	NS*	III
Rion	X	IVa	II	III	III	III	II
Riverview	G	Ila	I	II	IV	II	I
Roanoke (drained)	H	Ila	III	II	Vb	NS*	IV
Roanoke (undrained)	NN	V	V	V	Vb	NS*	NS*
Robertsville	LL	V	V	V	Vb	NS*	IV
Rockbarn	X	IVa	II	III	III	III	II
Rohrersville	BB	IVb	III	IV	IV	NS*	III
Ross	A	Ia	I	Ia	I	I	I
Rough	JJ	V	IV	V	IV	NS*	IV
Rowland	A	Ia	I	Ia	I	I	I
Rumford	DD	IVb	II	IV	III	NS*	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Rushtown	FF	IVb	III	IV	IV	NS*	III
Ruston	S	IIIa	II	II	II	NS*	III
Saffell	DD	IVb	II	IV	III	NS*	III
Santuc	G	IIa	I	II	IV	II	I
Sassafras	T	IIIb	II	II	II	NS*	III
Saunook	L	IIb	I	II	II	III	II
Sauratown	CC	IVb	II	IV	IV	NS*	III
Savannah	W	IVa	IV	III	IV	NS*	IV
Scattersville	BB	IVb	III	IV	IV	NS*	III
Schaffemaker	II	V	III	V	IV	NS*	NS*
Seabrook	EE	IVb	III	IV	Vb	NS*	NS*
Seagate	EE	IVb	III	IV	Vb	NS*	NS*
Sedgefield	KK	V	V	V	Vb	NS*	IV
Sekil	FF	IVb	III	IV	IV	NS*	III
Seneca	G	IIa	I	II	IV	II	I
Sequatchie	B	Ia	I	Ia	I	II	I
Sequoia	U	IIIb	II	II	II	III	II
Sewell	JJ	V	IV	V	IV	NS*	IV
Shelocta	L	IIb	I	II	II	III	II
Shelocta variant	L	IIb	I	II	II	III	II
Shenval	O	IIb	I	II	II	II	II
Sherando	CC	IVb	II	IV	IV	NS*	III
Sheva	KK	V	V	V	Vb	NS*	IV
Shottower	O	IIb	I	II	II	II	II
Shouns	G	IIa	I	II	IV	II	I
Sindion	A	Ia	I	Ia	I	I	I
Sketerville	KK	V	V	V	Vb	NS*	IV
Slabtown	G	IIa	I	II	IV	II	I
Slagle	K	IIb	I	II	II	III	I
Spears Mountain	V	IVa	II	III	III	III	III
Speedwell	A	Ia	I	Ia	I	I	I
Spessard	CC	IVb	II	IV	IV	NS*	III
Spivey	FF	IVb	III	IV	IV	NS*	III
Spotsylvania	V	IVa	II	III	III	III	III

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Spray	JJ	V	IV	V	IV	NS*	IV
Spriggs	JJ	V	IV	V	IV	NS*	IV
Springwood	D	Ib	I	Ib	I	I	I
Stanton	LL	V	V	V	Vb	NS*	IV
Starr	G	Ila	I	II	IV	II	I
Starr-Dyke	O	IIb	I	II	II	II	II
Staser	A	Ia	I	Ia	I	I	I
State (ES)	T	IIIb	II	II	II	NS*	III
State (Mainland)	B	Ia	I	Ia	I	II	I
Steinsburg	JJ	V	IV	V	IV	NS*	IV
Stonecoal	JJ	V	IV	V	IV	NS*	IV
Stoneville	X	IVa	II	III	III	III	II
Stott Knob	N	IIb	I	II	II	II	II
Stough	F	Ila	I	II	I	III	II
Straightstone	V	IVa	II	III	III	III	III
Strawfield	X	IVa	II	III	III	III	II
Stumptown	FF	IVb	III	IV	IV	NS*	III
Suches	A	Ia	I	Ia	I	I	I
Sudley	D	Ib	I	Ib	I	I	I
Suffolk	T	IIIb	II	II	II	NS*	III
Sugarhol	O	IIb	I	II	II	II	II
Sulfaquents	PP	V	V	V	Vb	NS*	NS*
Summers	GG	IVa	IV	IV	IV	NS*	III
Susquehanna	KK	V	V	V	Vb	NS*	IV
Swamp	PP	V	V	V	Vb	NS*	NS*
Swampoodle	D	Ib	I	Ib	I	I	I
Sweetapple	FF	IVb	III	IV	IV	NS*	III
Swimley	M	IIb	I	II	II	I	II
Sycoline	KK	V	V	V	Vb	NS*	IV
Sylco	JJ	V	IV	V	IV	NS*	IV
Sylvatus	JJ	V	IV	V	IV	NS*	IV
Talladega	JJ	V	IV	V	IV	NS*	IV
Tallapoosa	JJ	V	IV	V	IV	NS*	IV
Tallapoosa variant	JJ	V	IV	V	IV	NS*	IV

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Tanasee	JJ	V	IV	V	IV	NS*	IV
Tankerville	N	IIb	I	II	II	II	II
Tankerville taxadjunct	N	IIb	I	II	II	II	II
Tarboro	II	V	III	V	IV	NS*	NS*
Tarrus	X	IVa	II	III	III	III	II
Tate	O	IIb	I	II	II	II	II
Tate variant	O	IIb	I	II	II	II	II
Tatum	X	IVa	II	III	III	III	II
Terric Medisaprists	PP	V	V	V	Vb	NS*	NS*
Tetotum	K	IIb	I	II	II	III	I
Tetotum variant	K	IIb	I	II	II	III	I
Thunder	GG	IVb	IV	IV	IV	NS*	III
Thurmont	L	IIb	I	II	II	III	II
Tidal Marsh	PP	V	V	V	Vb	NS*	NS*
Tidal Marsh, high	PP	V	V	V	Vb	NS*	NS*
Tidal Marsh, low	PP	V	V	V	Vb	NS*	NS*
Tidal Mudflats	PP	V	V	V	Vb	NS*	NS*
Tidal Pool	PP	V	V	V	Vb	NS*	NS*
Tifton	Q	IIIa	II	II	II	NS*	III
Timberville	G	IIa	I	II	IV	II	I
Timberville variant	G	IIa	II	II	IV	II	I
Tioga	A	Ia	I	Ia	I	I	I
Toast	V	IVa	II	III	III	III	III
Toccoa	II	V	III	V	IV	NS*	NS*
Toddstav	HH	IVb	III	IV	Vb	NS*	IV
Tomotley (drained)	C	Ib	II	Ib	I	NS*	I
Tomotley (undrained)	OO	V	V	V	Vb	NS*	NS*
Toms	C	Ib	II	Ib	I	NS*	I
Torhunta	E	IIa	I	II	Va	NS*	II
Totier	U	IIIb	II	II	II	III	II
Toxaway (drained)	C	Ib	II	Ib	I	NS*	I
Toxaway (undrained)	OO	V	V	V	Vb	NS*	NS*
Trappist	U	IIIb	II	II	II	III	II
Trego	W	IVa	IV	III	IV	NS*	IV

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Trenholm	KK	V	V	V	Vb	NS*	IV
Trimont	FF	IVb	III	IV	IV	NS*	III
Tuckahoe	A	Ia	I	Ia	I	I	I
Tuckasegee	G	IIa	I	II	IV	II	I
Tugglesgap	CC	IVb	II	IV	IV	NS*	III
Tumbling	O	IIb	I	II	II	II	II
Turbeville	O	IIb	I	II	II	II	II
Tusquitee	G	IIa	I	II	IV	II	I
Tygart (drained)	P	IIb	II	II	Va	NS*	III
Tygart (undrained)	Z	IVa	IV	III	IV	NS*	NS*
Uchee	DD	IVb	II	IV	III	NS*	III
Unison	L	IIb	I	II	II	III	II
Unison variant	L	IIb	I	II	II	III	II
Vance	Y	IVa	III	III	III	NS*	III
Vandalia	L	IIb	I	II	II	III	II
Varina	Q	IIIa	II	II	II	NS*	III
Vaocluse	Q	IIIa	II	II	II	NS*	III
Vertrees	M	IIb	I	II	II	I	II
Virgilina	KK	V	V	V	Vb	NS*	IV
Wadesboro	X	IVa	II	III	III	III	II
Wagram	DD	IVb	II	IV	III	NS*	III
Wahee (drained)	C	Ib	II	Ib	I	NS*	I
Wahee (undrained)	OO	V	V	V	Vb	NS*	NS*
Wakulla	II	V	III	V	IV	NS*	NS*
Wallen	JJ	V	IV	V	IV	NS*	IV
Walnut	GG	IVb	IV	IV	IV	NS*	III
Warminster	X	IVa	II	III	III	III	II
Watahala	M	IIb	I	II	II	I	II
Watauga	V	IVa	II	III	III	III	III
Wateree	FF	IVb	III	IV	IV	NS*	III
Watt	JJ	V	IV	V	IV	NS*	IV
Watt variant	JJ	V	IV	V	IV	NS*	IV
Waxpool	LL	V	V	V	Vb	NS*	IV
Waynesboro	L	IIb	I	II	II	III	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Weaver	A	Ia	I	Ia	I	I	I
Webbtown	U	IIIb	II	II	II	III	II
Wedowee	V	IVa	II	III	III	III	III
Weeksville (drained)	C	Ib	II	Ib	I	NS*	I
Weeksville (undrained)	OO	V	V	V	Vb	NS*	NS*
Wehadkee	MM	V	V	V	Vb	NS*	IV
Weikert	JJ	V	IV	V	IV	NS*	IV
Westmoreland	U	IIIb	II	II	II	III	II
Weston	E	Ia	I	II	Va	NS*	II
Westphalia	II	V	III	V	IV	NS*	NS*
Weverton	GG	IVb	IV	IV	IV	NS*	III
Wharton	M	IIb	I	II	II	I	II
Wheeling	A	Ia	I	Ia	I	I	I
White Store	KK	V	V	V	Vb	NS*	IV
White Store variant	KK	IIIb	II	II	II	III	II
Whiteford	U	V	V	V	Vb	NS*	IV
Wickham	B	Ia	I	Ia	I	II	I
Wickham variant	B	Ia	I	Ia	I	II	I
Wilkes	JJ	V	IV	V	IV	NS*	IV
Wingina	A	Ia	I	Ia	I	I	I
Winnsboro	KK	V	V	V	Vb	NS*	IV
Wintergreen	O	IIb	I	II	II	II	II
Winton	B	Ia	I	Ia	I	II	I
Wolfgap	A	Ia	I	Ia	I	I	I
Wolftrap	K	IIb	I	II	II	III	I
Woodington	EE	IVb	III	IV	Vb	NS*	NS*
Woodstown	J	IIb	I	II	II	NS*	I
Woolwine	V	IVa	II	III	III	III	III
Worsham	HH	IVb	III	IV	Vb	NS*	IV
Worsham variant	HH	IVb	III	IV	Vb	NS*	IV
Wrightsboro	J	IIb	I	II	II	NS*	I
Wurno	JJ	V	IV	V	IV	NS*	IV
Wyrick	G	Ia	I	II	IV	II	I
Yadkin	X	IVa	II	III	III	III	II

Table 9. Virginia Soil Productivity Groups

Soil Series	Soil Mgt Group	Grain Sorghum	Small Grains	Soybeans	Canola	Alfalfa	Tall Grass, Clover, Hay, Pasture
Yellowbottom	V	IVa	II	III	III	III	III
Yemassee (drained)	C	Ib	II	Ib	I	NS*	I
Yemassee (undrained)	OO	V	V	V	Vb	NS*	NS*
Yeopim	K	IIb	I	II	II	III	I
Yogaville	MM	V	V	V	Vb	NS*	IV
York	BB	IVb	III	IV	IV	NS*	III
Zepp	JJ	V	IV	V	IV	NS*	IV
Zion	Y	IVa	III	III	III	NS*	III
Zion variant	Y	IVa	III	III	III	NS*	III
Zoar	K	IIb	I	II	II	III	I

NS* - Not suited

Note: Soil Productivity Groups were not developed for small acreage, high cash value crops such as tobacco, peanuts and vegetables because:

1. Practically all producers are familiar with those soils that are not suited for the production of these crops.
2. Although yield potentials will vary between soils, fertilizer costs make up a relatively small part of the cost of production. Therefore, adjusting fertilizer application rates to expected yields is not as economically important as it is for other crops.
3. The level of nitrogen application that will have a significant detrimental effect on crop quality is reached before there is a significant detrimental effect on water quality.
4. Practically all fields being used for the production of these crops have already been raised to medium or higher levels of soil fertility. Therefore, the objective in P and K fertilization of these crops is limited to maintenance of these fertility levels.

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Abell	G	140	40	34	64	80	80	100
Abell variant	G	140	40	34	64	80	80	100
Ackwater	K	130	40	32	64	80	80	100
Acredale (drained)	C	150	45	40	56	70	70	88
Acredale (undrained)	OO	65	20	15	24	30	30	38
Aden (drained)	C	150	45	40	56	70	70	88
Aden (undrained)	OO	65	20	15	24	30	30	38
Airmont	BB	85	25	18	48	60	60	75
Alaga	II	65	20	15	48	60	60	75
Alamance	FF	85	25	18	48	60	60	75
Alanthus	D	150	45	40	64	80	80	100
Albano	KK	65	20	15	32	40	40	50
Albemarle	JJ	65	20	15	40	50	50	63
Alderflats	NN	65	20	15	24	30	30	38
Aldino	W	100	35	25	40	50	50	63
Allegheny	L	130	40	32	64	80	80	100
Alluvial Land, wet	MM	65	20	15	24	30	30	38
Alonemill	A	160	50	40	64	80	80	100
Alonemill, Fluvaquentic	I	140	40	34	64	80	80	100
Alonzville	L	130	40	32	64	80	80	100
Altavista	B	160	50	40	64	90	90	113
Altavista, variant	B	160	50	40	64	90	90	113
Alticrest	E	140	40	34	64	80	80	100
Angie	AA	100	35	25	56	70	70	88
Angie variant	AA	100	35	25	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Appling	V	100	35	25	56	70	70	88
Appling gritty	V	100	35	25	56	70	70	88
Appomattox	O	130	40	32	64	80	80	100
Arapahoe	EE	85	25	18	48	60	60	75
Arcola	U	110	40	30	56	70	70	88
Ardilla	W	100	35	25	40	50	50	63
Argent	PP	65	20	15	24	30	30	38
Arkaqua	I	140	40	34	64	80	80	100
Ashburn	U	110	40	30	56	70	70	88
Ashe	GG	85	25	18	40	50	50	63
Ashlar	FF	85	25	18	48	60	60	75
Assateague	QQ	65	20	15	24	30	30	38
Athol	M	130	40	32	64	80	80	100
Atkins	HH	85	25	18	48	60	60	75
Atlee	Q	120	40	30	56	70	70	88
Augusta (drained)	P	130	40	32	56	70	70	88
Augusta (undrained)	Z	100	35	25	40	50	50	63
Augusta variant (drained)	P	130	40	32	56	70	70	88
Augusta variant (undrained)	Z	100	35	25	40	50	50	63
Aura	T	110	40	30	56	70	70	88
Austinville	O	130	40	32	64	80	80	100
Axis	PP	65	20	15	24	30	30	38
Aycock	R	120	40	30	56	70	70	88
Ayersville	FF	85	25	18	48	60	60	75
Backbay	PP	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Badin	X	100	35	25	56	70	70	88
Baile	HH	85	25	18	48	60	60	75
Bailegap	GG	85	25	18	40	50	50	63
Balsam	GG	85	25	18	40	50	50	63
Bama	R	120	40	30	56	70	70	88
Banister	K	130	40	32	64	80	80	100
Barclay	E	140	40	34	64	80	80	100
Batteau	I	140	40	34	64	80	80	100
Bayboro (drained)	C	150	45	40	56	70	70	88
Bayboro (undrained)	OO	65	20	15	24	30	30	38
Beckham	O	130	40	32	64	80	80	100
Bedington	FF	85	25	18	48	60	60	75
Beech	L	130	40	32	64	80	80	100
Beech Grove	JJ	65	20	15	40	50	50	63
Belhaven	PP	65	20	15	24	30	30	38
Beltsville	BB	85	25	18	48	60	60	75
Belvoir	BB	85	25	18	48	60	60	75
Benthole	JJ	65	20	15	40	50	50	63
Bentley	R	120	40	30	56	70	70	88
Berks	JJ	65	20	15	40	50	50	63
Berks variant	JJ	65	20	15	40	50	50	63
Bermudian	A	160	50	40	64	80	80	100
Bertie	J	130	40	32	64	80	80	100
Bertie, variant	J	130	40	32	64	80	80	100
Bethera (drained)	C	150	45	40	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Bethera (undrained)	OO	65	20	15	24	30	30	38
Bethesda	JJ	65	20	15	40	50	50	63
Bethlehem	V	100	35	25	56	70	70	88
Bibb	EE	85	25	18	48	60	60	75
Biltmore	II	65	20	15	48	60	60	75
Birdsboro	L	130	40	32	64	80	80	100
Blackthorn	GG	85	25	18	40	50	50	63
Bladen (drained)	C	150	45	40	56	70	70	88
Bladen (undrained)	OO	65	20	15	24	30	30	38
Blago	HH	85	25	18	48	60	60	75
Blairton	FF	85	25	18	48	60	60	75
Bland	Y	100	35	25	48	60	60	75
Bleakhill	J	130	40	32	64	80	80	100
Blocktown	JJ	65	20	15	40	50	50	63
Bloodyhorse	JJ	65	20	15	40	50	50	63
Bluemont	JJ	65	20	15	40	50	50	63
Bohicket	PP	65	20	15	24	30	30	38
Bojac (ES, VA Beach, Ches	T	110	40	30	56	70	70	88
Bojac (Mainland)	DD	85	25	18	56	70	70	88
Bolling	J	130	40	32	64	80	80	100
Bolling variant	J	130	40	32	64	80	80	100
Bolton	M	130	40	32	64	80	80	100
Bonneau	DD	85	25	18	56	70	70	88
Bookwood	U	110	40	30	56	70	70	88
Botetourt	A	160	50	40	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Bourne	BB	85	25	18	48	60	60	75
Bourne variant	BB	85	25	18	48	60	60	75
Bowmansville	I	140	40	34	64	80	80	100
Braddock	O	130	40	32	64	80	80	100
Brandywine	FF	85	25	18	48	60	60	75
Brecknock	U	110	40	30	56	70	70	88
Bremo	JJ	65	20	15	40	50	50	63
Brentsville	FF	85	25	18	48	60	60	75
Brevard	B	160	50	40	64	90	90	113
Brickhaven	Y	100	35	25	48	60	60	75
Brinkerton	LL	65	20	15	24	30	30	38
Brinklow	FF	85	25	18	48	60	60	75
Broadway	A	160	50	40	64	80	80	100
Brockroad	V	100	35	25	56	70	70	88
Brownsville	JJ	65	20	15	40	50	50	63
Brownwood	JJ	65	20	15	40	50	50	63
Brumbaugh	L	130	40	32	64	80	80	100
Brushy	JJ	65	20	15	40	50	50	63
Buchanan	BB	85	25	18	48	60	60	75
Buchanan cobbly	JJ	65	20	15	40	50	50	63
Buckhall	V	100	35	25	56	70	70	88
Buckingham	JJ	65	20	15	40	50	50	63
Bucks	U	110	40	30	56	70	70	88
Buckton	A	160	50	40	64	80	80	100
Buffstat	V	100	35	25	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Bugley	JJ	65	20	15	40	50	50	63
Buncombe	II	65	20	15	48	60	60	75
Burketown	BB	85	25	18	48	60	60	75
Burrowsville	BB	85	25	18	48	60	60	75
Burton	FF	85	25	18	48	60	60	75
Buzzrock	JJ	65	20	15	40	50	50	63
Cahaba	R	120	40	30	56	70	70	88
Calverton	BB	85	25	18	48	60	60	75
Calvin	JJ	65	20	15	40	50	50	63
Calvin cobbly	JJ	65	20	15	40	50	50	63
Camocca	PP	65	20	15	24	30	30	38
Caneyville	Y	100	35	25	48	60	60	75
Cape Fear (drained)	C	150	45	40	56	70	70	88
Cape Fear (undrained)	OO	65	20	15	24	30	30	38
Captina	BB	85	25	18	48	60	60	75
Carbo	Y	100	35	25	48	60	60	75
Carbonton	Y	100	35	25	48	60	60	75
Cardiff	FF	85	25	18	48	60	60	75
Caroline	AA	100	35	25	56	70	70	88
Cartecay	I	140	40	34	64	80	80	100
Carteret	PP	65	20	15	24	30	30	38
Cataska	JJ	65	20	15	40	50	50	63
Catharpin	X	100	35	25	56	70	70	88
Catlett	JJ	65	20	15	40	50	50	63
Catlett variant	JJ	65	20	15	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Catoctin	JJ	65	20	15	40	50	50	63
Catoctin variant	JJ	65	20	15	40	50	50	63
Catpoint	II	65	20	15	48	60	60	75
Caverns	I	140	40	34	64	80	80	100
Cecil	X	100	35	25	56	70	70	88
Cedarcreek	GG	85	25	18	40	50	50	63
Chagrin	A	160	50	40	64	80	80	100
Chagrin variant	A	160	50	40	64	80	80	100
Chandler	FF	85	25	18	48	60	60	75
Chapanoke (drained)	C	150	45	40	56	70	70	88
Chapanoke (undrained)	OO	65	20	15	24	30	30	38
Chastain	LL	65	20	15	24	30	30	38
Chatuge (drained)	C	150	45	40	56	70	70	88
Chatuge (undrained)	OO	65	20	15	24	30	30	38
Chavies	EE	85	25	18	48	60	60	75
Chavies variant	EE	85	25	18	48	60	60	75
Chenneby	I	140	40	34	64	80	80	100
Chesapeake	B	160	50	40	64	90	90	113
Chester	D	150	45	40	64	80	80	100
Chester Loam	D	150	45	40	64	80	80	100
Chesterfield	V	100	35	25	56	70	70	88
Chestnut	GG	85	25	18	40	50	50	63
Chewacla	I	140	40	34	64	80	80	100
Chickahominy	LL	65	20	15	24	30	30	38
Chilhowie	JJ	65	20	15	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Chincoteague	PP	65	20	15	24	30	30	38
Chipley	EE	85	25	18	48	60	60	75
Chiswell	JJ	65	20	15	40	50	50	63
Christian	AA	100	35	25	56	70	70	88
Christiana	AA	100	35	25	56	70	70	88
Cid	K	130	40	32	64	80	80	100
Claiborne	U	110	40	30	56	70	70	88
Clapham	W	100	35	25	40	50	50	63
Clarksburg	W	100	35	25	40	50	50	63
Clarksville	GG	85	25	18	40	50	50	63
Clearbrook	JJ	65	20	15	40	50	50	63
Clifffield	JJ	65	20	15	40	50	50	63
Clifford	X	100	35	25	56	70	70	88
Clifton	L	130	40	32	64	80	80	100
Clover	V	100	35	25	56	70	70	88
Cloverlick	JJ	65	20	15	40	50	50	63
Clubcaf	LL	65	20	15	24	30	30	38
Clymer	U	110	40	30	56	70	70	88
Codorus	A	160	50	40	64	80	80	100
Codorus stony	A	160	50	40	64	80	80	100
Codorus variant	A	160	50	40	64	80	80	100
Colescreek	L	130	40	32	64	80	80	100
Colfax	BB	85	25	18	48	60	60	75
Colfax variant	BB	85	25	18	48	60	60	75
Colleen	KK	65	20	15	32	40	40	50

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Colvard	II	65	20	15	48	60	60	75
Colvard fine	II	65	20	15	48	60	60	75
Colvard stony	II	65	20	15	48	60	60	75
Combs	DD	85	25	18	56	70	70	88
Comus	A	160	50	40	64	80	80	100
Conetoe	DD	85	25	18	56	70	70	88
Congaree	A	160	50	40	64	80	80	100
Coosaw	DD	85	25	18	56	70	70	88
Corolla	EE	85	25	18	48	60	60	75
Corydon	JJ	65	20	15	40	50	50	63
Cotaco	G	140	40	34	64	80	80	100
Cotaco cobbly	G	140	40	34	64	80	80	100
Cotaco variant	G	140	40	34	64	80	80	100
Cottonbend	L	130	40	32	64	80	80	100
Coursey	G	140	40	34	64	80	80	100
Cowee	N	130	40	32	64	80	80	100
Coxville	LL	65	20	15	24	30	30	38
Craggy	JJ	65	20	15	40	50	50	63
Craigsville	CC	85	25	18	56	70	70	88
Craven	HH	85	25	18	48	60	60	75
Creedmoor	KK	65	20	15	32	40	40	50
Creedmoor variant	KK	65	20	15	32	40	40	50
Croton	LL	65	20	15	24	30	30	38
Cullasaja	FF	85	25	18	48	60	60	75
Cullen	N	130	40	32	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Culleoka	U	110	40	30	56	70	70	88
Culpeper	X	100	35	25	56	70	70	88
Culpeper variant	X	100	35	25	56	70	70	88
Daleville (drained)	C	150	45	40	56	70	70	88
Daleville (undrained)	OO	65	20	15	24	30	30	38
Dan River	G	140	40	34	64	80	80	100
Dandridge	JJ	65	20	15	40	50	50	63
Danripple	L	130	40	32	64	80	80	100
Davidson	N	130	40	32	64	80	80	100
Dawhoo	PP	65	20	15	24	30	30	38
Dawhoo variant	PP	65	20	15	24	30	30	38
Decatur	M	130	40	32	64	80	80	100
Dekalb	FF	85	25	18	48	60	60	75
Dekalb variant	FF	85	25	18	48	60	60	75
Delanco	B	160	50	40	64	90	90	113
Delila	HH	85	25	18	48	60	60	75
Dellwood	CC	85	25	18	56	70	70	88
Deloss (drained)	C	150	45	40	56	70	70	88
Deloss (undrained)	OO	65	20	15	24	30	30	38
Derroc	CC	85	25	18	56	70	70	88
Devotion	FF	85	25	18	48	60	60	75
Diana Mills	V	100	35	25	56	70	70	88
Dillard	G	140	40	34	64	80	80	100
Dogue	K	130	40	32	64	80	80	100
Dogue variant	K	130	40	32	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Dorovan	PP	65	20	15	24	30	30	38
Dothan	Q	120	40	30	56	70	70	88
Dragston	E	140	40	34	64	80	80	100
Drall	FF	85	25	18	48	60	60	75
Drapermill	U	110	40	30	56	70	70	88
Drypond	JJ	65	20	15	40	50	50	63
Duckston	QQ	65	20	15	24	30	30	38
Duffield	G	140	40	34	64	80	80	100
Dulles	Y	100	35	25	48	60	60	75
Dumfries	T	110	40	30	56	70	70	88
Dunbar (drained)	P	130	40	32	56	70	70	88
Dunbar (undrained)	Z	100	35	25	40	50	50	63
Dunning (drained)	H	65	20	15	24	30	30	38
Dunning (undrained)	NN	65	20	15	24	30	30	38
Duplin	K	130	40	32	64	80	80	100
Durham	CC	85	25	18	56	70	70	88
Dyke	O	130	40	32	64	80	80	100
Easthamlet	KK	65	20	15	32	40	40	50
Ebbing	A	160	50	40	64	80	80	100
Edgehill	CC	85	25	18	56	70	70	88
Edgehill variant	CC	85	25	18	56	70	70	88
Edgemont	U	110	40	30	56	70	70	88
Edneytown	L	130	40	32	64	80	80	100
Edneyville	GG	85	25	18	40	50	50	63
Edom	M	130	40	32	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Elbert	LL	65	20	15	24	30	30	38
Elbert variant	LL	65	20	15	24	30	30	38
Elioak	X	100	35	25	56	70	70	88
Elk	A	160	50	40	64	80	80	100
Elkton (drained)	C	150	45	40	56	70	70	88
Elkton (undrained)	OO	65	20	15	24	30	30	38
Elliber	M	130	40	32	64	80	80	100
Elsinboro	L	130	40	32	64	80	80	100
Emory	G	140	40	34	64	80	80	100
Emporia	R	120	40	30	56	70	70	88
Endcav	Y	100	35	25	48	60	60	75
Enon	Y	100	35	25	48	60	60	75
Enott	Y	100	35	25	48	60	60	75
Ernest	W	100	35	25	40	50	50	63
Escatawba	L	130	40	32	64	80	80	100
Eubanks	N	130	40	32	64	80	80	100
Eulonia	K	130	40	32	64	80	80	100
Eunola	T	110	40	30	56	70	70	88
Evansham	LL	65	20	15	24	30	30	38
Evard	L	130	40	32	64	80	80	100
Evesboro	II	65	20	15	48	60	60	75
Exum	J	130	40	32	64	80	80	100
Faceville	R	120	40	30	56	70	70	88
Fairfax	D	150	45	40	64	80	80	100
Fairpoint	JJ	65	20	15	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Fairview	X	100	35	25	56	70	70	88
Fairystone	X	100	35	25	56	70	70	88
Fallsington	E	140	40	34	64	80	80	100
Fauquier	N	130	40	32	64	80	80	100
Fauquier, deep phase	N	130	40	32	64	80	80	100
Faywood	U	110	40	30	56	70	70	88
Featherstone	PP	65	20	15	24	30	30	38
Fedscreek	U	110	40	30	56	70	70	88
Feedstone	X	100	35	25	56	70	70	88
Fisherman	QQ	65	20	15	24	30	30	38
Fiveblock	JJ	65	20	15	40	50	50	63
Flatwoods	M	130	40	32	64	80	80	100
Fletcher	U	110	40	30	56	70	70	88
Fluvanna	Y	100	35	25	48	60	60	75
Forestdale	LL	65	20	15	24	30	30	38
Fork (drained)	P	130	40	32	56	70	70	88
Fork (undrained)	Z	100	35	25	40	50	50	63
Fork variant (drained)	P	130	40	32	56	70	70	88
Fork variant (undrained)	Z	100	35	25	40	50	50	63
Frankstown	U	110	40	30	56	70	70	88
Frederick	M	130	40	32	64	80	80	100
Frederick/Lodi	M	130	40	32	64	80	80	100
Freemanville	Q	120	40	30	56	70	70	88
French	A	160	50	40	64	80	80	100
Fripp	QQ	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Funkstown	A	160	50	40	64	80	80	100
Gaila	FF	85	25	18	48	60	60	75
Gainesboro	FF	85	25	18	48	60	60	75
Galestown	II	65	20	15	48	60	60	75
Galtsmill	II	65	20	15	48	60	60	75
Georgeville	X	100	35	25	56	70	70	88
Gilpin	U	110	40	30	56	70	70	88
Gilpin variant	U	110	40	30	56	70	70	88
Gladehill	DD	85	25	18	56	70	70	88
Glenelg (BlueRidgeHighlan	N	130	40	32	64	80	80	100
Glenelg (NewRiverValley)	U	110	40	30	56	70	70	88
Glenville	W	100	35	25	40	50	50	63
Goblintown	V	100	35	25	56	70	70	88
Goldsboro	J	130	40	32	64	80	80	100
Goldston	JJ	65	20	15	40	50	50	63
Goldvein	BB	85	25	18	48	60	60	75
Goldvein gritty	BB	85	25	18	48	60	60	75
Goresville	N	130	40	32	64	80	80	100
Granville	R	120	40	30	56	70	70	88
Grassland	L	130	40	32	64	80	80	100
Greendale	A	160	50	40	64	80	80	100
Greenlee	GG	85	25	18	40	50	50	63
Grigsby	A	160	50	40	64	80	80	100
Grimsley	GG	85	25	18	40	50	50	63
Gritney	T	110	40	30	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Groseclose	M	130	40	32	64	80	80	100
Grover	X	100	35	25	56	70	70	88
Guernsey	M	130	40	32	64	80	80	100
Gullion	A	160	50	40	64	80	80	100
Gundy	V	100	35	25	56	70	70	88
Gunstock	V	100	35	25	56	70	70	88
Guyan	Z	100	35	25	40	50	50	63
Gwinnett variant	X	100	35	25	56	70	70	88
Hagerstown	M	130	40	32	64	80	80	100
Halewood	U	110	40	30	56	70	70	88
Halifax	KK	65	20	15	24	30	30	38
Hanceville	V	100	35	25	56	70	70	88
Hartleton	FF	85	25	18	48	60	60	75
Hartsells	CC	85	25	18	56	70	70	88
Hatboro	HH	85	25	18	48	60	60	75
Hawksbill	CC	85	25	18	56	70	70	88
Hawksbill cobbly	CC	85	25	18	56	70	70	88
Hayesville	X	100	35	25	56	70	70	88
Haymarket	KK	65	20	15	24	30	30	38
Hayter	L	130	40	32	64	80	80	100
Haywood	JJ	65	20	15	40	50	50	63
Hazel	JJ	65	20	15	40	50	50	63
Hazel channery	JJ	65	20	15	40	50	50	63
Hazleton	JJ	65	20	15	40	50	50	63
Helena	KK	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Helena taxadjunct	KK	65	20	15	24	30	30	38
Herndon	V	100	35	25	56	70	70	88
Hibler	L	130	40	32	64	80	80	100
Hickoryknob	N	130	40	32	64	80	80	100
Highsplint	CC	85	25	18	56	70	70	88
Hiwassee	O	130	40	32	64	80	80	100
Hiwassee variant	O	130	40	32	64	80	80	100
Hoadley	BB	85	25	18	48	60	60	75
Hobucken	PP	65	20	15	24	30	30	38
Holly	NN	65	20	15	24	30	30	38
Hollywood	LL	65	20	15	24	30	30	38
Hublersburg	M	130	40	32	64	80	80	100
Huntington	A	160	50	40	64	80	80	100
Hyde (drained)	C	150	45	40	56	70	70	88
Hyde (undrained)	OO	65	20	15	24	30	30	38
Ingledove	A	160	50	40	64	80	80	100
Iotla	A	160	50	40	64	80	80	100
Iredell	KK	65	20	15	24	30	30	38
Iredell variant	KK	65	20	15	24	30	30	38
Irongate	DD	85	25	18	56	70	70	88
Itman	JJ	65	20	15	40	50	50	63
Iuka	F	140	40	34	64	80	80	100
Izagora	J	130	40	32	64	80	80	100
Jackland	KK	65	20	15	24	30	30	38
Jedburg	Z	100	35	25	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Jefferson	U	110	40	30	56	70	70	88
Jefferson variant	U	110	40	30	56	70	70	88
Johns (drained)	C	150	45	40	56	70	70	88
Johns (undrained)	OO	65	20	15	24	30	30	38
Johns variant (drained)	C	150	45	40	56	70	70	88
Johns variant (undrained)	OO	65	20	15	24	30	30	38
Johnston	PP	65	20	15	24	30	30	38
Junaluska	U	110	40	30	56	70	70	88
Kalmia	S	120	40	30	56	70	70	88
Kaymine	JJ	65	20	15	40	50	50	63
Keener	O	130	40	32	64	80	80	100
Kelly	KK	65	20	15	24	30	30	38
Kempsville	S	120	40	30	56	70	70	88
Kenansville	DD	85	25	18	56	70	70	88
Kenansville variant	DD	85	25	18	56	70	70	88
Keyport	K	130	40	32	64	80	80	100
Kinkora (drained)	C	150	45	40	56	70	70	88
Kinkora (undrained)	OO	65	20	15	24	30	30	38
Kinston (drained)	C	150	45	40	56	70	70	88
Kinston (undrained)	OO	65	20	15	24	30	30	38
Klej	EE	85	25	18	48	60	60	75
Klinesville	JJ	65	20	15	40	50	50	63
Konnarock	JJ	65	20	15	40	50	50	63
Lackstown	K	130	40	32	64	80	80	100
Laidig	W	100	35	25	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Laidig cobbly	W	100	35	25	40	50	50	63
Lakehurst	EE	85	25	18	48	60	60	75
Lakeland	II	65	20	15	48	60	60	75
Lakin	II	65	20	15	48	60	60	75
Landisburg	W	100	35	25	40	50	50	63
Lanexa	PP	65	20	15	24	30	30	38
Lansdale	FF	85	25	18	48	60	60	75
Laroque	FF	85	25	18	48	60	60	75
Lawnes	PP	65	20	15	24	30	30	38
Leadvale	BB	85	25	18	48	60	60	75
Leaf (drained)	C	150	45	40	56	70	70	88
Leaf (undrained)	OO	65	20	15	24	30	30	38
Leaksville	KK	65	20	15	24	30	30	38
Leck Kill	U	110	40	30	56	70	70	88
Leedsville	L	130	40	32	64	80	80	100
Leetonia	II	65	20	15	48	60	60	75
Legore	V	100	35	25	56	70	70	88
Lehew	JJ	65	20	15	40	50	50	63
Lenoir	LL	65	20	15	24	30	30	38
Leon	II	65	20	15	48	60	60	75
Levy	PP	65	20	15	24	30	30	38
Lew	FF	85	25	18	48	60	60	75
Lewisberry	II	65	20	15	48	60	60	75
Lewisburg	CC	85	25	18	56	70	70	88
Library	KK	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Lickdale (drained)	H	65	20	15	24	30	30	38
Lickdale (undrained)	NN	65	20	15	24	30	30	38
Lignum	LL	65	20	15	24	30	30	38
Lily	FF	85	25	18	48	60	60	75
Linden	F	140	40	34	64	80	80	100
Lindside	A	160	50	40	64	80	80	100
Littlejoe	V	100	35	25	56	70	70	88
Litz	JJ	65	20	15	40	50	50	63
Lloyd	N	130	40	32	64	80	80	100
Lloyd variant	N	130	40	32	64	80	80	100
Lobdell	A	160	50	40	64	80	80	100
Lodi	M	130	40	32	64	80	80	100
Lostcove	FF	85	25	18	48	60	60	75
Louisa	JJ	65	20	15	40	50	50	63
Louisa variant	JJ	65	20	15	40	50	50	63
Louisburg	FF	85	25	18	48	60	60	75
Lowell	M	130	40	32	64	80	80	100
Lucketts	Y	100	35	25	48	60	60	75
Lucy	DD	85	25	18	56	70	70	88
Lumbee (drained)	C	150	45	40	56	70	70	88
Lumbee (undrained)	OO	65	20	15	24	30	30	38
Lumbee variant (drained)	C	150	45	40	56	70	70	88
Lumbee variant (undrained)	OO	65	20	15	24	30	30	38
Lunt	AA	100	35	25	56	70	70	88
Lynchburg	E	140	40	34	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Macove	CC	85	25	18	56	70	70	88
Madison	X	100	35	25	56	70	70	88
Madsheep	JJ	65	20	15	40	50	50	63
Maggodee	A	160	50	40	64	80	80	100
Magotha	PP	65	20	15	24	30	30	38
Malbis	W	100	35	25	40	50	50	63
Manassas	D	150	45	40	64	80	80	100
Mandy	JJ	65	20	15	40	50	50	63
Manor	FF	85	25	18	48	60	60	75
Mantachie	I	140	40	34	64	80	80	100
Manteo	JJ	65	20	15	40	50	50	63
Marbie	W	100	35	25	40	50	50	63
Marbleyard	FF	85	25	18	48	60	60	75
Margo	A	160	50	40	64	80	80	100
Markes	NN	65	20	15	24	30	30	38
Marlboro	R	120	40	30	56	70	70	88
Marr	T	110	40	30	56	70	70	88
Marumsco	K	130	40	32	64	80	80	100
Masada	L	130	40	32	64	80	80	100
Massanetta	A	160	50	40	64	80	80	100
Massanutten	JJ	65	20	15	40	50	50	63
Matapeake	R	120	40	30	56	70	70	88
Matewan	FF	85	25	18	48	60	60	75
Matneflat	CC	85	25	18	56	70	70	88
Mattamuskeet	PP	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Mattan	PP	65	20	15	24	30	30	38
Mattapeake	B	160	50	40	64	90	90	113
Mattapex	K	130	40	32	64	80	80	100
Mattaponi	R	120	40	30	56	70	70	88
Maurertown	LL	65	20	15	24	30	30	38
Maury	M	130	40	32	64	80	80	100
Mayodan	V	100	35	25	56	70	70	88
McCamy	FF	85	25	18	48	60	60	75
McClung	O	130	40	32	64	80	80	100
McGary (drained)	P	130	40	32	56	70	70	88
McGary (undrained)	Z	100	35	25	40	50	50	63
McLaurin	DD	85	25	18	56	70	70	88
McQueen	B	160	50	40	64	90	90	113
Meadowfield	JJ	65	20	15	40	50	50	63
Meadows	JJ	65	20	15	40	50	50	63
Meadowville	G	140	40	34	64	80	80	100
Meadowville variant	G	140	40	34	64	80	80	100
Meckesville	W	100	35	25	40	50	50	63
Mecklenburg	V	100	35	25	56	70	70	88
Mecklenburg variant	V	100	35	25	56	70	70	88
Meggett (drained)	C	150	45	40	56	70	70	88
Meggett (undrained)	OO	65	20	15	24	30	30	38
Melfa	PP	65	20	15	24	30	30	38
Melvin (drained)	H	140	40	34	48	60	60	75
Melvin (undrained)	NN	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Middleburg	G	140	40	34	64	80	80	100
Millrock	II	65	20	15	48	60	60	75
Minnieville	N	130	40	32	64	80	80	100
Mirerock	KK	65	20	15	32	40	40	50
Misenheimer	JJ	65	20	15	40	50	50	63
Molena	II	65	20	15	48	60	60	75
Monacan	I	140	40	34	64	80	80	100
Mongle	C	150	45	40	56	70	70	88
Monongahela	W	100	35	25	40	50	50	63
Montalto	N	130	40	32	64	80	80	100
Montonia	X	100	35	25	56	70	70	88
Montross	D	150	45	40	64	80	80	100
Moomaw	W	100	35	25	40	50	50	63
Morven	G	140	40	34	64	80	80	100
Mount Lucas	J	130	40	32	64	80	80	100
Mt Rogers	GG	85	25	18	40	50	50	63
Muckalee	MM	65	20	15	24	30	30	38
Munden	F	140	40	34	64	80	80	100
Murrill	G	140	40	34	64	80	80	100
Muskingum	U	110	40	30	56	70	70	88
Myatt (drained)	C	150	45	40	56	70	70	88
Myatt (undrained)	OO	65	20	15	24	30	30	38
Myatt variant (drained)	C	150	45	40	56	70	70	88
Myatt variant (undrained)	OO	65	20	15	24	30	30	387
Myersville	D	150	45	40	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Nahunta	E	140	40	34	64	80	80	100
Nanford	V	100	35	25	56	70	70	88
Nansemond	F	140	40	34	64	80	80	100
Nason	V	100	35	25	56	70	70	88
Nawney	PP	65	20	15	24	30	30	38
Neabsco	BB	85	25	18	48	60	60	75
Needmore	FF	85	25	18	48	60	60	75
Nestoria	JJ	65	20	15	40	50	50	63
Nevarc	HH	85	25	18	48	60	60	75
Newark (drained)	H	140	40	34	48	60	60	75
Newark (undrained)	NN	65	20	15	24	30	30	38
Newark variant (drained)	H	140	40	34	48	60	60	75
Newark variant (undrained)	NN	65	20	15	24	30	30	38
Newbern	JJ	65	20	15	40	50	50	63
Newflat	LL	65	20	15	24	30	30	38
Newhan	QQ	65	20	15	24	30	30	38
Newmarc	A	160	50	40	64	80	80	100
Nicelytown	A	160	50	40	64	80	80	100
Nicholson	BB	85	25	18	48	60	60	75
Nimmo	E	140	40	34	64	80	80	100
Nixa	BB	85	25	18	48	60	60	75
Nolichucky	O	130	40	32	64	80	80	100
Nolin	A	160	50	40	64	80	80	100
Nollville	G	140	40	34	64	80	80	100
Nomberville	A	160	50	40	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Norfolk	R	120	40	30	56	70	70	88
Oak Level	V	100	35	25	56	70	70	88
Oakhill	FF	85	25	18	48	60	60	75
Oaklet	Y	100	35	25	48	60	60	75
Oatlands	FF	85	25	18	48	60	60	75
Occoquan	DD	85	25	18	56	70	70	88
Ochlockonee	II	65	20	15	48	60	60	75
Ochlockonee variant	II	65	20	15	48	60	60	75
Ocilla	F	140	40	34	64	80	80	100
Ogles	CC	85	25	18	56	70	70	88
Okeetee	LL	65	20	15	24	30	30	38
Opequon	JJ	65	20	15	40	50	50	63
Orange	KK	65	20	15	24	30	30	38
Orange variant	KK	65	20	15	24	30	30	38
Orangeburg	R	120	40	30	56	70	70	88
Orenda	KK	65	20	15	24	30	30	38
Oriskany	GG	85	25	18	40	50	50	63
Orrville (drained)	C	150	45	40	56	70	70	88
Orrville (undrained)	OO	65	20	15	24	30	30	38
Orrville variant (drained)	C	150	45	40	56	70	70	88
Orrville variant (undrained)	OO	65	20	15	24	30	30	38
Osier	E	140	40	34	64	80	80	100
Ostin	II	65	20	15	48	60	60	75
Othello (drained)	C	150	45	40	56	70	70	88
Othello (undrained)	OO	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Pacolet	X	100	35	25	56	70	70	88
Pactolus	EE	85	25	18	48	60	60	75
Paddyknob	JJ	65	20	15	40	50	50	63
Pagebrook	Y	100	35	25	48	60	60	75
Palms variant	PP	65	20	15	24	30	30	38
Pamlico	PP	65	20	15	24	30	30	38
Pamunkey	B	160	50	40	64	90	90	113
Pamunkey variant	B	160	50	40	64	90	90	113
Panorama	U	110	40	30	56	70	70	88
Pantego (drained)	C	150	45	40	56	70	70	88
Pantego (undrained)	OO	65	20	15	24	30	30	38
Parker	GG	85	25	18	40	50	50	63
Partlow	HH	85	25	18	48	60	60	75
Pasquotank (drained)	C	150	45	40	56	70	70	88
Pasquotank (undrained)	OO	65	20	15	24	30	30	38
Peaks	JJ	65	20	15	40	50	50	63
Peawick	HH	85	25	18	48	60	60	75
Pecktonville	M	130	40	32	64	80	80	100
Penhook	X	100	35	25	56	70	70	88
Penn	FF	85	25	18	48	60	60	75
Philo (drained)	H	140	40	34	48	60	60	75
Philo (undrained)	NN	65	20	15	24	30	30	38
Philomont	D	150	45	40	64	80	80	100
Pigeonroost	N	130	40	32	64	80	80	100
Pilot Mountain	JJ	65	20	15	40	50	50	63

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Pineola	L	130	40	32	64	80	80	100
Pineville	U	110	40	30	56	70	70	88
Pineywoods	NN	65	20	15	24	30	30	38
Pinkston	JJ	65	20	15	40	50	50	63
Pinoka	JJ	65	20	15	40	50	50	63
Pisgah	M	130	40	32	64	80	80	100
Plummer	EE	85	25	18	48	60	60	75
Pocalla	DD	85	25	18	56	70	70	88
Pocaty	PP	65	20	15	24	30	30	38
Pocomoke	E	140	40	34	64	80	80	100
Poindexter	FF	85	25	18	48	60	60	75
Poindexter variant	FF	85	25	18	48	60	60	75
Polawana	PP	65	20	15	24	30	30	38
Pooler variant (drained)	C	150	45	40	56	70	70	88
Pooler variant (undrained)	OO	65	20	15	24	30	30	38
Pope	A	160	50	40	64	80	80	100
Poplimento	M	130	40	32	64	80	80	100
Porters	FF	85	25	18	48	60	60	75
Portsmouth (drained)	C	150	45	40	56	70	70	88
Portsmouth (undrained)	OO	65	20	15	24	30	30	38
Pouncey	LL	65	20	15	24	30	30	38
Poynor	GG	85	25	18	40	50	50	63
Psammets	II	65	20	15	48	60	60	75
Pungo	PP	65	20	15	24	30	30	38
Purcellville	D	150	45	40	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Purdy (drained)	H	140	40	34	48	60	60	75
Purdy (undrained)	NN	65	20	15	24	30	30	38
Quantico	R	120	40	30	56	70	70	88
Rabun	N	130	40	32	64	80	80	100
Rains (drained)	C	150	45	40	56	70	70	88
Rains (undrained)	OO	65	20	15	30	30	38	38
Ramsey	JJ	65	20	15	40	50	50	63
Rapidan	N	130	40	32	64	80	80	100
Rappahannock	PP	65	20	15	24	30	30	38
Raritan	W	100	35	25	40	50	50	63
Rasalo	Y	100	35	25	48	60	60	75
Rayne	U	110	40	30	56	70	70	88
Readington	W	100	35	25	40	50	50	63
Reaville	JJ	65	20	15	40	50	50	63
Redbrush	Y	100	35	25	48	60	60	75
Remlik	DD	85	25	18	56	70	70	88
Rhodhiss	X	100	35	25	56	70	70	88
Rigley	CC	85	25	18	56	70	70	88
Rion	X	100	35	25	56	70	70	88
Riverview	G	140	40	34	64	80	80	100
Roanoke (drained)	H	140	40	34	48	60	60	75
Roanoke (undrained)	NN	65	20	15	24	30	30	38
Robertsville	LL	65	20	15	24	30	30	38
Rockbarn	X	100	35	25	56	70	70	88
Rohrersville	BB	85	25	18	48	60	60	75

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Ross	A	160	50	40	64	80	80	100
Rough	JJ	65	20	15	40	50	50	63
Rowland	A	160	50	40	64	80	80	100
Rumford	DD	85	25	18	56	70	70	88
Rushtown	FF	85	25	18	48	60	60	75
Ruston	S	120	40	30	56	70	70	88
Saffell	DD	85	25	18	56	70	70	88
Santuc	G	140	40	34	64	80	80	100
Sassafras	T	110	40	30	56	70	70	88
Saunook	L	130	40	32	64	80	80	100
Sauratown	CC	85	25	18	56	70	70	88
Savannah	W	100	35	25	40	50	50	63
Scattersville	BB	85	25	18	48	60	60	75
Schaffemaker	II	65	20	15	48	60	60	75
Seabrook	EE	85	25	18	48	60	60	75
Seagate	EE	85	25	18	48	60	60	75
Sedgefield	KK	65	20	15	24	30	30	38
Sekil	FF	85	25	18	48	60	60	75
Seneca	G	140	40	34	64	80	80	100
Sequatchie	B	160	50	40	64	90	90	113
Sequoia	U	110	40	30	56	70	70	88
Sewell	JJ	65	20	15	40	50	50	63
Shelocta	L	130	40	32	64	80	80	100
Shelocta variant	L	130	40	32	64	80	80	100
Shenval	O	130	40	32	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Sherando	CC	85	25	18	56	70	70	88
Sheva	KK	65	20	15	24	30	30	38
Shottower	O	130	40	32	64	80	80	100
Shouns	G	140	40	34	64	80	80	100
Sindion	A	160	50	40	64	80	80	100
Sketerville	KK	65	20	15	24	30	30	38
Slabtown	G	140	40	34	64	80	80	100
Slagle	K	130	40	32	64	80	80	100
Spears Mountain	V	100	35	25	56	70	70	88
Speedwell	A	160	50	40	64	80	80	100
Spessard	CC	85	25	18	56	70	70	88
Spivey	FF	85	25	18	48	60	60	75
Spotsylvania	V	100	35	25	56	70	70	88
Spray	JJ	65	20	15	40	50	50	63
Spriggs	JJ	65	20	15	40	50	50	63
Springwood	D	150	45	40	64	80	80	100
Stanton	LL	65	20	15	24	30	30	38
Starr	G	140	40	34	64	80	80	100
Starr-Dyke	O	130	40	32	64	80	80	100
Staser	A	160	50	40	64	80	80	100
State (ES)	T	110	40	30	56	70	70	88
State (Mainland)	B	160	50	40	64	90	90	113
Steinsburg	JJ	65	20	15	40	50	50	63
Stonecoal	JJ	65	20	15	40	50	50	63
Stoneville	X	100	35	25	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Stott Knob	N	130	40	32	64	80	80	100
Stough	F	140	40	34	64	80	80	100
Straightstone	V	100	35	25	56	70	70	88
Strawfield	X	100	35	25	56	70	70	88
Stumptown	FF	85	25	18	48	60	60	75
Suches	A	160	50	40	64	80	80	100
Sudley	D	150	45	40	64	80	80	100
Suffolk	T	110	40	30	56	70	70	88
Sugarhol	O	130	40	32	64	80	80	100
Sulfaquents	PP	65	20	15	24	30	30	38
Summers	GG	85	25	18	40	50	50	63
Susquehanna	KK	65	20	15	24	30	30	38
Swamp	PP	65	20	15	24	30	30	38
Swampoodle	D	150	45	40	64	80	80	100
Sweetapple	FF	85	25	18	48	60	60	75
Swimley	M	130	40	32	64	80	80	100
Sycoline	KK	65	20	15	24	30	30	38
Sylco	JJ	65	20	15	40	50	50	63
Sylvatus	JJ	65	20	15	40	50	50	63
Talladega	JJ	65	20	15	40	50	50	63
Tallapoosa	JJ	65	20	15	40	50	50	63
Tallapoosa variant	JJ	65	20	15	40	50	50	63
Tanasee	JJ	65	20	15	40	50	50	63
Tankerville	N	130	40	32	64	80	80	100
Tankerville taxadjunct	N	130	40	32	64	80	80	100

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Tarboro	II	65	20	15	48	60	60	75
Tarrus	X	100	35	25	56	70	70	88
Tate	O	130	40	32	64	80	80	100
Tate variant	O	130	40	32	64	80	80	100
Tatum	X	100	35	25	56	70	70	88
Terric Medisaprists	PP	65	20	15	24	30	30	38
Tetotum	K	130	40	32	64	80	80	100
Tetotum variant	K	130	40	32	64	80	80	100
Thunder	GG	85	25	18	40	50	50	63
Thurmont	L	130	40	32	64	80	80	100
Tidal Marsh	PP	65	20	15	24	30	30	38
Tidal Marsh, high	PP	65	20	15	24	30	30	38
Tidal Marsh, low	PP	65	20	15	24	30	30	38
Tidal Mudflats	PP	65	20	15	24	30	30	38
Tidal Pool	PP	65	20	15	24	30	30	38
Tifton	Q	120	40	30	56	70	70	88
Timberville	G	140	40	34	64	80	80	100
Timberville variant	G	140	40	34	64	80	80	100
Tioga	A	160	50	40	64	80	80	100
Toast	V	100	35	25	56	70	70	88
Toccoa	II	65	20	15	48	60	60	75
Toddstav	HH	85	25	18	48	60	60	75
Tomotley (drained)	C	150	45	40	56	70	70	88
Tomotley (undrained)	OO	65	20	15	24	30	30	38
Toms	C	150	45	40	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Torhunta	E	140	40	34	64	80	80	100
Totier	U	110	40	30	56	70	70	88
Toxaway (drained)	C	150	45	40	56	70	70	88
Toxaway (undrained)	OO	65	20	15	24	30	30	38
Trappist	U	110	40	30	56	70	70	88
Trego	W	100	35	25	40	50	50	63
Trenholm	KK	65	20	15	24	30	30	38
Trimont	FF	85	25	18	48	60	60	75
Tuckahoe	A	160	50	40	64	80	80	100
Tuckasegee	G	140	40	34	64	80	80	100
Tugglesgap	CC	85	25	18	56	70	70	88
Tumbling	O	130	40	32	64	80	80	100
Turbeville	O	130	40	32	64	80	80	100
Tusquitee	G	140	40	34	64	80	80	100
Tygart (drained)	P	130	40	32	56	70	70	88
Tygart (undrained)	Z	100	35	25	40	50	50	63
Uchee	DD	85	25	18	56	70	70	88
Unison	L	130	40	32	64	80	80	100
Unison variant	L	130	40	32	64	80	80	100
Vance	Y	100	35	25	48	60	60	75
Vandalia	L	130	40	32	64	80	80	100
Varina	Q	120	40	30	56	70	70	88
Vaucluse	Q	120	40	30	56	70	70	88
Vertrees	M	130	40	32	64	80	80	100
Virgilina	KK	65	20	15	24	30	30	38

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Wadesboro	X	100	35	25	56	70	70	88
Wagram	DD	85	25	18	56	70	70	88
Wahee (drained)	C	150	45	40	56	70	70	88
Wahee (undrained)	OO	65	20	15	24	30	30	38
Wakulla	II	65	20	15	48	60	60	75
Wallen	JJ	65	20	15	40	50	50	63
Walnut	GG	85	25	18	40	50	40	63
Warminster	X	100	35	25	56	70	70	88
Watahala	M	130	40	32	64	80	80	100
Watauga	V	100	35	25	56	70	70	88
Wateree	FF	85	25	18	48	60	60	75
Watt	JJ	65	20	15	40	50	50	63
Watt variant	JJ	65	20	15	40	50	50	63
Waxpool	LL	65	20	15	24	30	30	38
Waynesboro	L	130	40	32	64	80	80	100
Weaver	A	160	50	40	64	80	80	100
Webbtown	U	110	40	30	56	70	70	88
Wedowee	V	100	35	25	56	70	70	88
Weeksville (drained)	C	150	45	40	56	70	70	88
Weeksville (undrained)	OO	65	20	15	24	30	30	38
Wehadkee	MM	65	20	15	24	30	30	38
Weikert	JJ	65	20	15	40	50	50	63
Westmoreland	U	110	40	30	56	70	70	88
Weston	E	140	40	34	64	80	80	100
Westphalia	II	65	20	15	48	60	60	75

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Weverton	GG	85	25	18	40	50	40	63
Wharton	M	130	40	32	64	80	80	100
Wheeling	A	160	50	40	64	80	80	100
White Store	KK	65	20	15	24	30	30	38
White Store variant	KK	65	20	15	24	30	30	38
Whiteford	U	110	40	30	56	70	70	88
Wickham	B	160	50	40	64	90	90	113
Wickham variant	B	160	50	40	64	90	90	113
Wilkes	JJ	65	20	15	40	50	50	63
Wingina	A	160	50	40	64	80	80	100
Winnsboro	KK	65	20	15	24	30	30	38
Wintergreen	O	130	40	32	64	80	80	100
Winton	B	160	50	40	64	90	90	113
Wolfgap	A	160	50	40	64	80	80	100
Wolftap	K	130	40	32	64	80	80	100
Woodington	EE	85	25	18	48	60	60	75
Woodstown	J	130	40	32	64	80	80	100
Woolwine	V	100	35	25	56	70	70	88
Worsham	HH	85	25	18	48	60	60	75
Worsham variant	HH	85	25	18	48	60	60	75
Wrightsboro	J	130	40	32	64	80	80	100
Wurno	JJ	65	20	15	40	50	50	63
Wyrick	G	140	40	34	64	80	80	100
Yadkin	X	100	35	25	56	70	70	88
Yellowbottom	V	100	35	25	56	70	70	88

Table 10. Virginia Soil Management Groups and Yields

Soil Series	Soil Mgt Group	Corn	(RV, High) Soybeans, Full Season	(Low) Soybeans, Double Crop	(Low, RV) Wheat Standard	(High) Wheat Intensive	(Low, RV) Barley Standard	(High) Barley Intensive
----- yield potential bushels/acre -----								
Yemassee (drained)	C	150	45	40	56	70	70	88
Yemassee (undrained)	OO	65	20	15	24	30	30	38
Yeopim	K	130	40	32	64	80	80	100
Yogaville	MM	65	20	15	24	30	30	38
York	BB	85	28	18	48	60	60	75
Zepp	JJ	65	20	15	40	50	50	63
Zion	Y	100	35	25	48	60	60	75
Zion variant	Y	100	35	25	48	60	60	75
Zoar	K	130	40	32	64	80	80	100

Yields Reductions

Slope Classes:

	Coastal Plain	Rest of VA
A	0-2%	0-2%
B	2-6%	2-7%
C	6-10%	7-15%
D	10-15%	15-25%
E	15-25%	25-45%
F	25+%	45+%

No yield reductions for slopes A and B

	% yield reduction	
	conv. till	no till
C	12%	6%
D	20%	10%

Slopes E and F too steep for tillage

Erosion Classes:

Uneroded (slight and moderate) – no yield reduction
Eroded (severe) - 30% yield reduction

Coarse Fragments and Stoniness:

Exclude group GG since coarse fragments are part of its series criteria.

1. No row crops on all stony phases.
2. Cobbly, channery, flaggy – 15% yield reduction
3. Very cobbly, very channery, very flaggy – 30% yield reduction
4. Gravelly, cherty – 10% yield reduction
5. Very gravelly, very cherty – 25% yield reduction

Rock Outcrop:

1. Rocky – 10% yield reduction
2. Very rocky, extremely rocky, or all complexes with rock outcrop – no row crops
3. Karst – don't grow row crops, avoid use of pesticides, extreme caution in use of fertilizers or organic nutrient sources