Grasses at Hopewell Furnace

255 Species and varieties known in Southeastern Pennsylvania

65 Species and varieties sighted in Hopewell Furnace by either Russell or Vanderwerff

18 Species and varieties sighted in Hopewell by Vanderwerff but not by Russell

50 WDV

Updated: *Sunday, September 11, 1994*

Technical Name (Colloquial Name) Hopewell Locations, Abundance and Distribution	Abund. in Southeast Penna	Hopewell Sightings Russell	WDV	N / I	Special Status Natural Habitat
Agrostis gigantea (redtop) M15 (Frequent & Scattered)	C	Russell	WDV	IA	Fields, roadsides and waste ground
Agrostis hyemalis (winter hairgrass)	I	Russell		N	Open sterile soil, bogs or thin woods
Agrostis perennans (autumn bentgrass) D12, L12 (Frequent & Scattered)	C	Russell	WDV	N	Open woods, thickets and rocky banks
Alopecurus pratensis (meadow foxtail) M15, E11 (Infrequent & Local)	R		WDV	I	Meadows and waste ground
Andropogon virginicus (broomsedge)	C	Russell		N	Old fields, hillsides and waste ground
Anthoxanthum odoratum (sweet vernal grass) M15 (Common & Widespread)	C	Russell	WDV	I	Fields, pastures and roadsides
Arrhenatherum elatius (tall oatgrass)	I	Russell		I	Fields and roadsides
Brachyelytrum erectum (bearded short-husk)	F	Russell		N	Moist, wooded hillsides and alluvial woods
Bromus commutatus (hairy chess) E12 (Infrequent & Local)	C		WDV	I	Fields, roadsides and waste places
Bromus inermis (smooth brome) Rare ? (Rare & Local ?)	I	Russell	WDV	I	Fields, roadsides and waste ground
Bromus japonicus (Japanese chess) M15 (Infrequent & Local ?)	I		WDV	I	Roadsides and waste ground
Bromus sterilis (barren chess) I12 (Infrequent & Local)	I		WDV	I	Roadsides and waste ground
Cinna arundinacea (stout woodreed) D12 (Frequent & Scattered)	F	Russell	WDV	N	Moist woods and shaded swamps
Dactylis glomerata (orchard grass) M15 (Common & Widespread)	C	Russell	WDV	I	Fields, meadows and roadsides
Danthonia compressa (flattened oatgrass)	I	Russell		N	Dry, rocky woods clearings
Danthonia spicata (poverty oatgrass) M15 (Abundant & Widespread)	F	Russell	WDV	N	Dry, sandy or gravelly soils and thin woods

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Digitaria ischaemum (smooth crabgrass) J12 (Frequent & Scattered)	F	Russell	WDV	I Cultivated and waste ground	
Digitaria sanguinalis (northern crabgrass) E12 (Frequent & Scattered)	C	Russell	WDV	I Cultivated and waste ground	
Echinochloa crusgalli (barnyard grass)	F	Russell		I Fields, meadows and roadsides	
Echinochloa muricata (barnyard grass) J12 (Infrequent & Scattered)	F		WDV	N Moist ground and alluvial shores	
Eleusine indica (goosegrass) E12 (Infrequent & Scattered)	C	Russell	WDV	I Yards and waste ground	
Elytrigia repens (quackgrass) M15 (Frequent & Scattered)	F		WDV	IA Fields, roadsides and waste ground	
Eragrostis spectabilis (purple lovegrass) D11, F14, K14 (Frequent & Widespread)	F	Russell	WDV	N Dry sandy fields and roadsides	
Festuca elatior (tall fescue) G14, M15 (Abundant & Widespread)	C	Russell	WDV	I Meadows, roadsides and open ground	
Festuca obtusa (nodding fescue)	F	Russell		N Moist woods and clearings	
Festuca pratensis (meadow fescue) M15 (Infrequent & Local ?)	I		WDV	I Meadows, moist shores and roadsides	
Festuca rubra (red fescue) M15 (Frequent & Scattered)	R	Russell	WDV	IA Dry woods, roadsides and waste ground	
Glyceria melicaria (long mannagrass)	I	Russell		N Wet woods, stream banks and swamps	OW
Glyceria septentrionalis (eastern mannagrass) G14 (Frequent & Local)	I	Russell	WDV	N Swamps, wet woods and ditches	OW
Glyceria striata (fowl mannagrass) G14 (Infrequent & Local)	C	Russell	WDV	N Wet woods, swamps and bogs	OW
Holcus lanatus (velvet grass)	F	Russell		I Sterile fields, meadows and roadsides	
Leersia oryzoides (rice cutgrass) F12 (Infrequent & Local ?)	F	Russell	WDV	N Marshes, bogs and wet meadows	OW
Leersia virginica (white grass) F12 (Frequent & Scattered)	C	Russell	WDV	N Swamps and moist woods	
Lolium multiflorum (Italian ryegrass)	I	Russell		I Fields and roadsides	
Microstegium vimineum (stilt grass) D10 (Abundant & Widespread)	F	Russell	WDV	I Damp roadsides and moist, open woods	
Muhlenbergia mexicana (satin grass) L12 (Infrequent & Scattered)	I		WDV	N Woods, rocky shores and serpentine barrens	

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Carex vulpinoidea (fox sedge) F12 (Frequent & Scattered)	C	Russell	WDV	N Low ground	OW
Cyperus bipartitus (shining umbrella sedge)	F	Russell		N Wet sandy, gravelly, muddy or peaty places	
Cyperus flavescens (yellow umbrella sedge) E12 (Infrequent & Scattered)	I		WDV	N Wet sandy soil	OW
Cyperus lupulinus var. macilentus (sessile-spiked variety) E12 (Infrequent & Scattered ?)	NG		WDV	N Dry, rocky or sandy ground	
Cyperus strigosus (false nutsedge) E12 (Frequent & Scattered)	C	Russell	WDV	N Meadows, swales, damp thickets and shores	
Dulichium arundinaceum (three-way sedge) F12 (Rare & Local)	F	Russell	WDV	N Swamps and margins of pools and streams	OW
Eleocharis acicularis (least spike rush)	F	Russell		N Damp shores and low ground	OW
Eleocharis erythropoda (bald spike rush)	I	Russell		N Wet shores, marshes and springy spots	OW
Eleocharis obtusa (blunt spike rush)	C	Russell		N Swampy ground, bogs and ditches	OW
Eleocharis tenuis (slender spike rush)	F	Russell		N Wet, damp or even dryish sands, gravels and peats	
Rhynchospora capitellata (clustered beak rush) F12 (Frequent & Scattered)	F	Russell	WDV	N Boggy meadows and low open woods	OW
Schoenoplectus tabernaemontani (great bulrush) E12 (Rare & Local)	F	Russell	WDV	N Brackish or fresh shallow water and marshes	OW
Scirpus atrovirens (dark-green bulrush) E12, J12 (Infrequent & Scattered)	F	Russell	WDV	N Meadow, bogs and low thickets	OW
Scirpus cyperinus (wool grass) F12, L12 (Infrequent & Scattered)	C	Russell	WDV	N Wet meadows and swamps	
Scirpus expansus (wood bulrush) F12 (Infrequent & Local)	I	Russell	WDV	N Spring-heads, meadows, borders of rills and thickets	OW
Scirpus georgianus (Georgian dark-green bulrush)	F	Russell		N Swamps, moist meadows and wet woods	OW
Scirpus hattorianus (bulrush)	I	Russell		N Swamps, bogs and moist meadows	OW
Scirpus polyphyllus (leafy bulrush)	F	Russell		N Low woods, swamps and shores	OW

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Muhlenbergia schreberi (nimblewill) G13 (Common & Widespread ?)	C	Russell	WDV	N Woodlands, thickets, roadsides and dooryards	
Muhlenbergia sobolifera (rock dropseed)	F	Russell		N Dry, rocky slopes	
Panicum anceps (beaked panic grass) E12 (Abundant & Widespread)	F	Russell	WDV	N Moist, open, sandy soil	
Panicum boscii (Bosc's panic grass) D16 (Rare & Scattered)	F		WDV	N Moist woods, grassy slopes and river banks	
Panicum clandestinum (deertongue) F12, M15 (Frequent & Scattered)	C	Russell	WDV	N Moist or dry thickets, shores, borders of alluvial woods	
Panicum depauperatum (starved panic grass) M15 (Infrequent & Scattered)	I		WDV	N Dry, open woods and serpentine barrens	
Panicum dichotomiflorum (fall panicum)	C	Russell		N Dry to moist, open woods and meadows	
Panicum dichotomum (forked panic grass) M10 (Frequent & Scattered)	C	Russell	WDV	N Moist, sanydy woods	
Panicum dichotomum var. barbulatum (bearded forked panic grass) F12, D16, G13 (Frequent & Scattered)	I		WDV	N Moist, sandy woods	
Panicum lanuginosum var. fasciculatum (hairy panic grass) M11, M15 (Infrequent & Widespread)	C	Russell	WDV	N Dry woods, slopes and clearings	
Panicum lanuginosum var. lindheimeri (Lindheimer's panic grass) F14 (Infrequent & Scattered)	I		WDV	N Dry woods, slopes and clearings	
Panicum lanuginosum var. tennesseense (Tennessee panic grass) M10 (Infrequent & Scattered)	F		WDV	N Dry woods, slopes and clearings	
Panicum sphaerocarpon (round-fruited panic grass) M15 (Frequent & Widespread)	I		WDV	N Dry open soil and thin woods	
Paspalum laeve var. circulare (round-fruited field beadgrass) E12, G13 (Frequent & Widespread ?)	F	Russell	WDV	N Moist sandy fields	
Paspalum setaceum var. muhlenbergii (hairy slender beadgrass) E12, G13 (Frequent & Widespread ?)	F		WDV	N Dry or moist open ground and serpentine barrens	PA
Phalaris arundinacea (reed canary grass) M15 (Infrequent & Scattered)	C		WDV	N Shores, swales and meadows	
Phleum pratense (timothy) M15 (Frequent & Widespread)	C	Russell	WDV	I Fields, meadows and roadsides	
Poa annua (annual bluegrass) E11 (Common & Scattered)	C		WDV	I Cultivated or waste ground and clearings	
Poa compressa (Canada bluegrass) M15 (Common & Widespread)	C	Russell	WDV	I Dry woods and fields	
Poa pratensis (Kentucky bluegrass) M15 (Common & Widespread)	C	Russell	WDV	IA Moist shores, meadows, fields and slopes	

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Poa trivialis (rough bluegrass) G14 (Frequent & Widespread)	F	Russell	WDV	I Glades, spring-heads, brookside and damp slopes	
Schizachyrium scoparius (little bluestem)	F	Russell		N Old fields, roadsides and open woods	
Setaria faberi (giant foxtail) G13, M15 (Common & Widespread)	C	Russell	WDV	I Fields, waste ground and roadsides	
Setaria geniculata (knotroot bristlegrass) F14 (Frequent & Scattered)	F		WDV	N Dry to moist open soil	
Setaria pumila (yellow bristlegrass) E11, G13 (Common & Widespread)	C	Russell	WDV	I Cultivated or waste ground and roadsides	
Setaria viridis (green bristlegrass) E12 (Infrequent & Scattered)	C	Russell	WDV	I Cultivated and waste ground	
Sorghastrum nutans (Indian grass)	F	Russell		N Dry to moist fields and serpentine barrens	
Sphenopholis obtusata var. major (slender wedgegrass)	C	Russell		N Stream banks, open woods and alluvial thickets	
Tridens flavus (purpletop) G11 (Abundant & Widespread)	C	Russell	WDV	N Old fields, meadows and roadsides	

Sedges at Hopewell Furnace

207 Species and varieties known in Southeastern Pennsylvania

54 Species and varieties sighted in Hopewell Furnace by either Russell or Vanderwerff

11 Species and varieties sighted in Hopewell by Vanderwerff but not by Russell

32 WDV

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Technical Name (Colloquial Name) Hopewell Locations, Abundance and Distribution	Abund. in Southeast Penna	Hopewell Sightings Russell	WDV	N / I Natural Habitat	Special Status
Carex aggregata (glomerate sedge) G14 (Infrequent & Scattered)	F		WDV	N Rich woods, thickets and meadows	
Carex albicans (closely-covered sedge) K12 (Infrequent & Scattered)	F	Russell	WDV	N Dry woods and clearings	
Carex albolutescens (greenish-white sedge)	I	Russell		N Wet woods and thickets	
Carex albursina (white bear sedge) G17 (Rare & Local ?)	R		WDV	N Calcareous hardwoods and ravines	
Carex amphibola (narrow-leaved sedge)	R	Russell		N Calcareous hardwoods and rich slopes	
Carex annectens (bristle-spiked sedge)	F	Russell		N Dry to moist woods, fields and ditches	
Carex atlantica (prickly bog sedge)	F	Russell		N Swamps, wet woods and damp peats	
Carex blanda (woodland sedge) D10, G14, K12 (Frequent & Scattered)	C	Russell	WDV	N Woods, bottomlands, thickets and meadows	
Carex bromoides (brome-like sedge) G14 (Infrequent & Scattered)	I	Russell	WDV	N Rich low woods and swamps	
Carex bushii (Bush's sedge) M15 (Frequent & Scattered)	I		WDV	N Meadows, fields, prairies and open woods	
Carex cephalophora (oval-headed sedge)	C	Russell		N Dry woods and openings	
Carex conjuncta (soft fox sedge) E17, M15 (Infrequent & Scattered)	I		WDV	N Calcareous bottoms, glades and swales	
Carex crinita (fringed sedge) F12 (Infrequent & Local)	F	Russell	WDV	N Swales, damp thickets and low woods	OW PA
Carex debilis (white-edged sedge) G14 (Infrequent & Scattered)	F		WDV	N Low woods, thickets, swamps and clearings	
Carex emmonsii (Emmons' sedge) K12 (Frequent & Scattered)	F		WDV	N Dry woods, thickets and clearings	
Carex glaucodea (glaucescent sedge) K10 (Infrequent & Scattered)	F		WDV	N Calcareous woods and meadows	

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Carex gracilescens (slender loose-flowered sedge) K12, M15 (Infrequent & Scattered)	I	Russell	WDV	N Rich woods, thickets and bottoms	
Carex gracillima (graceful sedge) K12 (Infrequent & Scattered)	F	Russell	WDV	N Woodlands, thickets and meadows	
Carex granularis (meadow sedge) J12 (Infrequent & Scattered)	F	Russell	WDV	N Calcareous or rich woods, meadows and bottomlands	
Carex grisea (gray sedge) G17 (Infrequent & Scattered)	I		WDV	N Rich woods, bottomlands and meadows	
Carex gynandra (nodding sedge)	F	Russell		N Swales, thickets and low woods	OW
Carex hirsutella (slightly hairy sedge)	F	Russell		N Open woods, fields, meadows and clearings	
Carex intumescens (bladder sedge) I8, G7 (Infrequent & Scattered)	F	Russell	WDV	N Alluvial woods, meadows and swales	
Carex laxiculmis (spreading sedge)	F	Russell		N Rich woods and glades	
Carex laxiflora (loose-flowered sedge) M15 (Not reported & Scattered)	F	Russell	WDV	N Rich hardwoods and loamy slopes	
Carex lupulina (hop sedge)	I	Russell		N Swamps and wet woods	OW
Carex lurida (sallow sedge) E12 (Rare & Local)	C	Russell	WDV	N Swales, swamps and wet woods	OW
Carex normalis (larger straw sedge)	C	Russell		N Rich woods, thickets and swales	
Carex pensylvanica (Pennsylvania sedge)	F	Russell		N Dry open soil and open woods	
Carex prasina (drooping sedge)	F	Russell		N Rich low woods and glades	OW
Carex radiata (stellate sedge) D11, G17 (Infrequent & Scattered)	C		WDV	N Rich woods and thickets	
Carex rosea (coiled stellate sedge)	C	Russell		N Dry woods and thickets	
Carex scoparia (pointed broomsedge)	C	Russell		N Moist to dry open ground, thickets and open woods	
Carex stipata (awl-fruited sedge) F14, G14 (Infrequent & Scattered)	C	Russell	WDV	N Low grounds	
Carex stricta (tussock sedge) F12 (Frequent & Scattered)	F	Russell	WDV	N In acid or sub-acid swamps, swales and low woods	OW
Carex swanii (Swan's sedge) M15 (Infrequent & Local?)	C	Russell	WDV	N Woods, thickets and clearings	