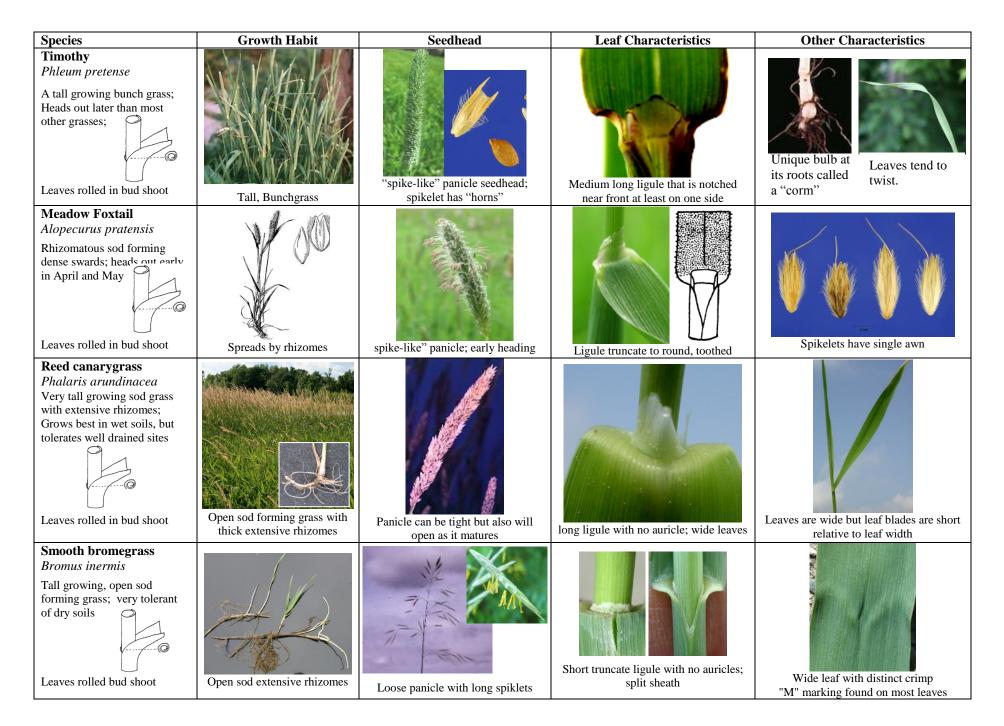
Characteristics of Forage and Pasture Grasses Found in the Northeast U.S.

Species	Growth Habit	Frasses Found in the No	Leaf Characteristics	Other Characteristics
Bluegrass (Poa spp.) Kentucky – P. pratensis Canada – P. compressa Short, low growing perennial grasses; they form a dense sod spreading by short rhizomes; Ky BG is dark green and Can BG is blue-green Leaves fold in bud shoot	Many short rhizomes	Panicle with very small seed	Kentucky Canada Truncate ligules	Narrow leaves with boat shaped tip Leaves fold in bud shoot
Annual bluegrass <i>Poa annua</i> An annual often found near gates and laneways where soil is compacted P. annua spp. <i>reptans</i> is a subspecies that is stoloniferous.	An annual bunchgrass	Small, short panicles	Pointed ligule crinkled leaves	Leaves have boat shaped tip and double grooved, translucent midrib when held in light; leaves folded in the bud shoot
Roughstalk bluegrass Poa trivialis Creeping perennial Prefers shady, moist areas Leaves folded in bud shoot	Spreads by stolons; forms dense patches	Loose, green panicle	Pointed ligule; rough surface	Folded in bud shoot and leaf blades fold
Orchardgrass Dactylis glomerata Tall growing bunchgrass; Long leaves that are lighter green compared to other grasses; Leaves strongly folded in bud shoot	Frolific tillering grass	Panicle seed head with ball-like clumps	Long, pointed ligule, no auricle	Leaves strongly folded



Species	Growth Habit	Seedhead	Leaf Characteristics	Other Characteristics
Tall fescueSchedonorus arundinaceusTall growing bunchgrassalthough it can produceshort rhizomes;Leaves are coarse andmedium-to-wide;Less palatable than othercool season grasses	Coarse textured bunchgrass	Open panicle seed head	Short auricle usually with hairs; Short, truncate ligule; rolled bud shoot	Dark green leaves with "corduroy" like deep parallel grooves
Meadow fescue Schedonorus pratensis Tall growing bunchgrass similar to tall fescue but slightly shorter; Leaves are coarse and medium-to-wide; More palatable than tall fescue	Bunchgrass	Open panicle seed head	Short auricle without hairs (smooth); Short, truncate ligule; rolled bud shoot	Medium green leaves with "corduroy" like deep parallel grooves
Perennial ryegrass Lolium perenne A low to medium growing bunchgrass; Narrow dark green leaves, Leaves somewhat folded in bud shoot (oval shaped)	Bunchgrass	Fike seed head without awns	Truncate ligules; grooved "corduroy" leaves; small claw-like auricles	Very shiny bottom side of leaf; also a very pronounced keel-like midrib
Italian (Annual) ryegrass Lolium multiflorum Similar to perennial ryegerass <u>but larger</u> . Leaves usually rolled in bud shoot but not always Festulolium species (a cross of ryegrass with tall or meadow fescue) will often look like Italian ryegrass	Bunchgrass	Fike seed head with awns	Truncate ligules; grooved "corduroy" leaves; claw-like auricles	Shiny bottom side of leaf with pronounced keel-like midrib

Species	Growth Habit	Seedhead	Leaf Characteristics	Other Characteristics
Quackgrass Elymus repens A tall growing creeping grass with extensive rhizomes, open sod; Grows best in loose soils; typically considered a weed	Extensive rhizomes	Spike seed head; spikelets oriented toward peduncle	Long clasping auricles; sheaths can be hairy but not always	Medium long, truncated ligule; leaves rolled in bud shoot
Fine Fescues <i>Festuca</i> spp. Red fescue <i>F. rubra</i> Sheep fescue <i>F. ovina</i> Hard fescue <i>F. brevipila</i> Low growing, narrow leaf perennial grasses that are drought and shade tolerant. Usually unpalatable for		toward pedanete		
grazing livestock.	Fine, narrow leaves	Narrow, contracted panicle	Sheep and hard fescue leaves are almost always rolled and are quite narrow	Red fescue leaves tend to fold and roll and are also narrow
Bentgrass Agrostis spp. Creeping A. stolonifera Colonial A. capillaris Redtop A. gigantea Low growing, fine, soft leaved grasses. Often found in low, wet areas of pastures and meadows Leaves rolled in bud shoot	Forms soft, dense patches	Creeping BG Redtop Panicle seed head	Creeping Colonial Redtop Creeping Colonial Redtop Colonial Redtop Colonial Redtop Colonial Redtop Colonial Redtop Medium Turne Turne Turn	Creeping growth pattern. Creeping bentgrass – stolons only Colonial BG – rhizomes and stolons Redtop – rhizomes only
Sweet Vernalgrass Anthoxanthum odoratum A low yielding bunchgrass that grows in low fertile, acid soils. Produces a sweet odor due to coumarin but is generally unpalatable	A bunchgrass	Short, brownish, spike-like panicle	Lacerate or toothed ligule; Leaves rolled in bud shoot	Short, pointed leaf blade with hair at base DA Plant Data Base (http://plants.usda.gov)

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. University of Vermont Extension, Burlington, Vermont. University of Vermont Extension, and U.S. Department of Agriculture, cooperating, offer education and employment to everyone without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or familial status.

Developed by Sid Bosworth, Extension Forage Agronomist, University of Vermont Extension, January 2014 (<u>http://pss.uvm.edu/vtcrops/</u>)