

Soil Quality Enhancement Activity-SQL06-Conversion of Cropland to Grass-Based Agriculture for Biomass or Forage Production and Wildlife Habitat.

Plant Species	Planting rate (lbs/acre) for Grass-based agriculture use:		
	Biomass	Forage	Wildlife Habitat
Cool Season Grasses			
Canada Wildrye	No information	Not recommended	0.5 -2 in mixtures
Festulolium (short lived perennial)	Not recommended	30 10 in mixtures	4 in mixtures
Junegrass	Not recommended	Not recommended	0.25 with 1.75 Canada wildrye and 3 Little Bluestem
Kentucky Bluegrass	Not recommended	25-30 2-4 in mixtures	Not recommended
Meadow fescue	Not recommended	20-30	Not recommended
Orchardgrass	15-18	16 3-6 in mixtures	2-4 in a mix
Perennial Ryegrass (short lived perennial)	Not recommended	25-35	Not recommended
Reed Canarygrass, improved	15	7-15 5-8 in mixtures	Not recommended
Smooth Bromegrass	20	20	Not recommended
Tall Fescue, improved		25-35	Not recommended
Timothy	10-15	8-15	2-3 in mixtures
Warm Season Grasses			
Big Bluestem	10 PLS*	10 PLS*	0.5-2 PLS* in mixtures
Eastern Gamagrass	10 PLS*	8 PLS*	Not recommended
Indiangrass	10 PLS*	10 PLS*	1.5-2 PLS* in mixtures
Little Bluestem	Not recommended	8 PLS*	3 PLS* in mixtures
Switchgrass	10 PLS*	5-8 PLS*	0.25-1 PLS* in mixtures
Grass Mixtures			
	Not recommended	Orchard grass- 6.0 Smooth Bromegrass- 8.0	Orchardgrass- 3.0 Timothy- 3.0
		Orchardgrass- 4 Smooth Bromegrass-8 Timothy -2	Canada wildrye-1.75 Little Bluestem- 3 June grass- 0.25

Michigan Enhancement Supplement

Plant Species	Planting rate (lbs/acre) for Grass-based agriculture use:		
	Biomass	Forage	Wildlife Habitat
		Kentucky bluegrass- 4 Timothy- 2 Orchardgrass- 6	Little Bluestem- 2 Indiangrass- 1.5 Big Bluestem- 0.5 Canada wildrye-0.5 Switchgrass- 0.5
			Big Bluestem- 2 Indiangrass- 2 Switchgrass- 0.5 Canada wildrye- 0.5

*Pure live seed: (Germination % * Purity %)/ 100

For Mixtures not specified, refer to conservation practice

- Conservation Cover (327) Table 4. General Mixtures for Wildlife Habitat.
- Pasture and Hayland Planting (512) Table 7. Seed Mixtures for Pasture and Hayland.

Planners may use the Michigan Seed Calculator for Conservation Cover plantings or the Pasture and Hay Seeding Calculator for biomass or forage. Calculators are found in section IV of the Field Office Technical Guide.