

Table 1. Seeding Dates

Time of Seeding	Plant Suitability Zone ¹	Cool Season Species	Warm Season Species
Spring	I	Early spring - June 1	Early spring - June 15
	II	Early Spring - May 15	Early spring - June 5
	III	Early Spring - May 15	Early spring - June 1
Late Summer	I	August 1 - September 1	Not Recommended
	II	August 1 - September 10	Not Recommended
	III	August 1 - September 20	Not Recommended
Dormant	I	November 1 - Freeze-up	November 1 - Freeze-up
	II	November 15 - Freeze up	November 15 - Freeze up
	III	November 15 - Freeze up	November 15 - Freeze up
1 - Refer to the "Plant Suitability Zones" map locate in Section I, IL-FOTG-Climatic Data			

Table 2. Filter strip flow length (width) based on land slope at the upslope filter strip boundary and flow through time in minutes.

Flow through time (0.5" depth)	Percent Slope					
	0.5%	1.0%	2.0%	3.0%	4.0%	5.0% or greater
	Filter Strip Flow Length (Feet)					
15 minutes	36	54	72	90	108	117
30 minutes	72	108	144	180	216	234

Table 3. Approved seed mixtures.

Native Species Mixtures	Lbs. PLS/Acre	SITE SUITABILITY
Switchgrass	5	Well, adapted to mesic and moist sites. Will withstand droughty sites. Tolerant to atrazine.
Switchgrass Indiangrass Big Bluestem	5.5 2.5 3.5	Adapted to most sites except for extremely wet soils. Tolerant to atrazine. Indiangrass susceptible to atrazine prior to establishment.
Western Wheatgrass	16	This mixture is tolerant to frequent, short duration floods. Low tolerance to atrazine.
Introduced Species Mixtures (Include a companion legume from Table 8)	Lbs. PLS/Acre	SITE SUITABILITY
Redtop	4	Adapted to poorly drained soils. Low tolerance to atrazine.
Redtop Timothy	2.5 2.5	Adapted to poorly drained soils. Fair tolerance to atrazine.
Smooth Bromeagrass	16	Adapted to well drained to somewhat poorly drained soils. Fair tolerance to atrazine.
Smooth Bromeagrass Timothy	9.6 2.5	Adapted to well drained to somewhat poorly drained soils. Fair tolerance to atrazine.

Tables 4. Native sod forming grasses.

Native Sod Forming Species	Seeds per square foot at 1 lb. PLS/acre	Comments
Switchgrass	9.2	
Western Wheatgrass	2.5	

Table 5. Native bunch forming grasses.

Native Bunch Forming Grasses	Seeds per square foot at 1 lb. PLS/acre	Comments
Big Bluestem	3.0	
Indiangrass	4.0	
Sideoats Grama	4.4	
Virginia Wildrye	1.7	
Canadian Wildrye	2.6	

Table 6. Introduced cool season sod forming species.

Introduced Sod Forming Cool Season Species	Full seeding Rate PLS lbs./acre	60% Full Seeding Rate PLS lbs./acre	Comments
Smooth Bromeagrass	16	9.6	
Redtop	4	2.4	

Table 7. Introduced cool season bunch forming species.

Introduced Bunch Forming Cool Season Species	Full seeding Rate PLS lbs./acre	40% Full Seeding Rate PLS lbs./acre	Comments
Orchardgrass	8	3.2	
Timothy	6	2.4	
Perennial Ryegrass	15	6.0	

Table 8. Companion legumes for introduced cool season seed mixtures.

COMPANION LEGUMES	Lbs. PLS/Ac.	SITE SUITABILITY
Alsike Clover	1-3	Adapted to poorly drained soils
Ladino Clover	0.5-1.0	Adapted to poorly drained soils
Alfalfa	6	Not adapted to poorly drained soils.
Annual Lespedeza	6	Plant Suitability Zone 2 and 3 only. Not adapted to poorly drained soils.
Birdsfoot Trefoil	3	
Red Clover	6	
Crimson Clover	5	