

Section 12 - SEEDING

A. GENERAL

This work is seeding all disturbed areas.

1. Work Included

- a. Fertilizing
- b. Seeding, Hydro-seeding
- c. Mulching
- d. Maintenance

2. References

FS 0-F-241 - Fertilizers, Mixed, Commercial

3. Definitions

Weeds: Includes Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.

4. Regulatory Requirements

Comply with regulatory agencies for fertilizer and herbicide composition.

5. Quality Assurance

Provide seed mixture in containers showing percentage of seed mix, year of production, net weight, date of packaging, and location of packaging.

6. Maintenance Data

Include maintenance instructions, cutting method and maximum grass height. Include types, application frequency, and recommended coverage of fertilizer.

7. Delivery, Storage and Handling

- a. Deliver grass seed mixture in sealed containers. Seed in damaged packaging is not acceptable.
- b. Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

B. PRODUCTS

1. Acceptable Seed Suppliers

Well-established local nursery or seed suppliers.

2. Seed Mixture

- a. Kentucky Blue Grass: 30 percent.
- b. Creeping Red Fescue Grass: 30 percent
- c. Norlea Perennial Rye: 30 percent
- d. Red Top: 10 percent

3. Soil Material

Topsoil: Excavated from site or off site and free of weeds.

4. Accessories

- a. Apply lime @ 3 tons/acre.
- b. Mulching Material: Oat or wheat straw, free from weeds, foreign matter detrimental to plant life, and dry. Hay or chopped cornstalks are not acceptable.
- c. Fertilizer: Recommended for grass, with fifty percent of the elements derived from organic sources; of proportion necessary to eliminate any deficiencies of topsoil. Apply at a rate of 1000 lbs of 10 -10 -10/acre.
- d. Water: Clean, fresh and free of substances of matter that could inhibit vigorous growth of grass.
- e. Stakes: Softwood lumber, chisel pointed.
- f. String: Inorganic fiver.
- g. Edging: Plastic.

C. EXECUTION

1. Inspection

- a. Verify that prepared soil base is ready to receive the work of this section.
- b. Beginning of installation means acceptance of existing site conditions.

2. Fertilizing

- a. Apply fertilizer in accordance with manufacturer's instructions.
- b. Apply after smooth raking of topsoil and prior to roller compaction.

- c. Do not apply fertilizer at same time or with same machine that will be used to apply seed.
- d. Mix thoroughly into upper 2 inches of topsoil.
- e. Lightly water to aid the dissipation of fertilizer.

3. Seeding

- a. Apply seed at a rate of 4 lbs. per 1000 s.f. evenly in two intersecting directions. Rake in lightly. Do not seed area in excess of that which can be mulched on same day.
- b. Do not sow immediately following rain, when ground is too dry or during windy periods.
- c. Roll seeded area with roller not exceeding 112 lbs.
- d. Immediately following seeding and compacting, apply mulch to a thickness of 1/8 inches. Maintain clear of shrubs and trees.
- e. Apply water with a fine spray immediately after each area has been mulched. Saturate to 4 inches of soil.

4. Seed Protection

Cover seeded slopes where grade is 4 inches per foot or greater with mulch and apply hold down string with stakes if required.

5. Maintenance

Maintain seeded areas for the duration of the Contract.

- a. Mow grass at regular intervals to maintain at a maximum height of 2-1/2 inches. Do not cut more than 1/3 of grass blade at any one mowing.
- b. Neatly trim edges and hand clip where necessary.
- c. Immediately remove clippings after mowing and trimming.
- d. Water to prevent grass and soil from drying out.
- e. Roll surface to remove minor depressions or irregularities.
- f. Control growth of weeds. Apply herbicides in accordance with manufacturer's instructions. Remedy damage resulting from improper use of herbicides.
- g. Immediately reseed areas that show bare spots.

END OF SECTION