
Part 1 General

1.1 GENERAL

- .1 This specification covers preparation of the area to be seeded, the supply and application of seed and fertilizer, and the finishing of seeded areas. Areas to be seeded shall include any disturbed or exposed earth surfaces within the right-of-way, borrow and waste areas, restoration areas identified for seeding and as determined by the Departmental Representative.

Part 2 Products

2.1 GRASS SEED

- .1 Refer to section 32 93 10 Tree, Shrub, and Groundcover Planting for seed product information.

2.2 FERTILIZER

- .1 To Canada "Fertilizers Act" and Fertilizers Regulations".
- .2 Fertilizer shall be stored in standard containers clearly marked with the name of the Manufacturer, weight and specified composition.

Part 3 Execution

3.1 WATER

- .1 Water supplied by the Contractor shall be free of any impurities that might inhibit germination of the seed.

3.2 WORKMANSHIP

- .1 Do not perform work under adverse field conditions such as frozen soil, excessively wet or dry soil or soil covered with snow, ice or standing water.
- .2 Remove and dispose of weeds; debris; stones 50 mm in diameter and larger; soil contaminated by oil, gasoline and other deleterious materials; off site.

3.3 SEED BED PREPARATION

- .1 Verify that grades are correct. If discrepancies occur, notify consultant and do not commence work until instructed by Departmental Representative.
- .2 Fine grade surface free of humps and hollows to smooth, even grade, and to tolerance of plus or minus 15 mm, surface draining naturally.
- .3 Cultivate fine grade approved by 25 mm depth immediately prior to seeding.

3.4 SEED PLACEMENT

- .1 Seeding is to be completed using broadcast seeding or mechanical seeding followed by hydro-mulching.

3.5 APPLICATION RATES

- .1 Seeding 50 kg/ha
- .2 Hydro-mulching Mulching rate is to be as per supplier's recommendations.

3.6 FERTILIZER

- .1 Fertilizer applications are only permitted when using agronomic/forage mixtures. Fertilizer shall not be used when using native seed mixtures. Formulation and application rates of fertilizers will be as per manufacturers recommendations.

3.7 MAINTENANCE DURING ESTABLISHMENT PERIOD

- .1 Perform following operations from time of seed application until acceptance by Departmental Representative.
 - .1 Water seeded area to maintain optimum soil moisture level for germination and continued growth of grass. Control watering to prevent washouts.
 - .2 Repair and reseed dead or bare spots to allow establishment of seed prior to acceptance.
 - .3 Cut grass to 60 mm whenever it reaches a height of 75 mm.
 - .4 Fertilize seeded areas after first cutting in accordance with fertilizing program. Spread half of required amount of fertilizer in one direction and remainder at right angles.
 - .5 Eliminate weeds by mechanical or chemical means.

3.8 ACCEPTANCE

- .1 Seeded areas will be accepted by Departmental Representative provided that:
 - .1 Areas are uniformly established and turf is free of rutted, eroded, bare or dead spots and free of weeds.
 - .2 Areas have been cut at least once.
 - .3 Areas have been fertilized.

3.9 MAINTENANCE DURING WARRANTY PERIOD

- .1 Perform following operations from time of acceptance until end of warranty period:
 - .1 Water seeded area to maintain optimum solid moisture level for continued growth of grass. Control watering to prevent washouts.
 - .2 Repair and reseed dead or bare spots to satisfaction of Departmental Representative.
 - .3 Cut grass to 60 mm whenever it reaches a height of 75 mm.
 - .4 Fertilize seeded areas in accordance with fertilizing program; Spread half of required amount of fertilizer in one direction and remainder at right angles.

- .5 Eliminate weeds by mechanical or chemical means.

END OF SECTION