

ITEM 166

FERTILIZER

- 166.1 Description. This Item shall govern for providing and distributing fertilizer over such areas as are designated for sodding for erosion control and stabilization, hydro-mulch seeding, or seeding and erosion control blanket and in accordance with these Standard Specifications.
- 166.2 Materials. All fertilizer used shall be delivered in bags or containers clearly labeled showing analysis. A pelleted or granulated fertilizer shall be used with an analysis of 10-10-5 (nitrogen – phosphoric acid – potash), unless otherwise approved by the Engineer. The figures in the analysis represent the nitrogen, phosphoric acid and potash nutrients respectively as determined by the methods of the Association of Official Agricultural Chemists. The sources of nitrogen in the fertilizer shall be roughly balanced between ammonical (quick release) and nitrate nitrogen (slow release). Fertilizer shall be readily water-soluble.
- With permission of the Engineer, fertilizer of a different analysis may be substituted. It shall be pelleted or granulated fertilizer with a lower concentration. The total amounts of nutrients furnished and applied per acre shall equal or exceed that specified for each nutrient.
- 166.3 Construction Methods. When fertilizer is included in the specifications, pelleted or granulated fertilizer shall be applied uniformly over the area specified to be fertilized and in the manner directed for the particular item of work. Fertilizer shall be dry and in good physical condition. Fertilizer that is powdered or caked will be rejected. Distribution of fertilizer for the particular item of work shall meet the approval of the Engineer.
- Unless otherwise indicated on the plans, fertilizer shall be applied uniformly at the average rate of 480 pounds per acre for the Item 162 "Sodding for Erosion Control and Stabilization", 400 pounds per acre for the Item 164 "Seeding and Erosion Control Blanket" and for the Item 165 "Hydro-Mulch Seeding for Erosion Control and Stabilization".
- 166.4 Measurement. Acceptable material for "Fertilizer" will be measured by the C-WT (100 lbs) as determined by approved scales or guaranteed weight of sacks shown by manufacturer.
- 166.5 Delivery, Storage and Handling. Deliver fertilizer in bags or containers clearly labeled with name and address of the manufacturer, weight and guaranteed analysis. Bulk fertilizer, if approved by the Engineer, must be accompanied by either an invoice or label showing the name and address of the manufacturer, guaranteed analysis, and appropriate means to accurately measure and record weight of fertilizer used.

Deliver fertilizer in clean, unopened and undamaged bags.

166.6 Payment. No separate payment shall be made for materials furnished or work performed under this Item. Include the cost of same in the contract price bid for work of which this is a component part.

For special applications in which fertilizer is not already a requirement of another bid item, payment shall be made by the acre of applied area. Application rate (pounds per acre) and analysis (nitrogen – phosphoric acid – potash) shall be as shown in the plans.

There are line code(s), description(s), and unit(s) for this Item.

NOTE: This Item requires other Standard Specifications.

Item 162 “Sodding for Erosion Control and Stabilization“

Item 164 “Seeding and Erosion Control Blanket”

Item 165 “Hydro-Mulch Seeding for Erosion Control and Stabilization”

Item 725 “General Source Controls”

END OF ITEM 166