

VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
**SECTION 244—ROADSIDE DEVELOPMENT MATERIALS**

January 27, 2003c

**SECTION 244—ROADSIDE DEVELOPMENT MATERIALS** is amended as follows:

**Section 244.02 - Detail Requirements** is amended as follows:

**Section 244.02(d) Fertilizers** is replaced with the following:

1. **Fertilizer for seeding, sodding, sprigging, and plugging** shall have a guaranteed 1-2-1 ratio and a 15-30-15 analysis with a minimum 30% of the nitrogen from either a slow release or slowly soluble source with the remainder of the nitrogen from urea or ammonium nitrate. The following types of slow release or slowly soluble nitrogen fertilizers can be used: urea formaldehyde (UF){ureaform, methylene urea, and methylene diurea/dimethylene triurea}, isobutylidene diurea (IBDU), sulfur coated urea (SCU) and polycoated urea (PCU). Urea formaldehyde products shall have a minimum activity index of 40%. The IBDU minimum "size guide number" (SGN) shall be 230. All UF and IBDU products shall indicate the slow release/slowly available nitrogen source on the fertilizer analysis label as Water Insoluble Nitrogen (WIN). The polycoated and sulfur coated ureas shall have a minimum of 3 month release duration for the total product. The phosphorous content of the fertilizer shall be triple superphosphate or diammonium phosphate. The potassium content of the fertilizer shall be potassium chloride commonly known as muriate of potash. All slow release or slowly soluble fertilizers can be applied with a hydraulic seeder except for SCU.

The fertilizer shall be uniform in composition, free flowing, and suitable for application with approved equipment. The fertilizer shall be delivered to the project in bags or other convenient containers, each fully labeled, and shall conform to all applicable state and federal laws and regulations. Additional nutrients shall be added only when specified. All fertilizer shall be subject to testing by the Virginia Department of Agriculture and Consumer Services. The Department reserves the right to reject fertilizer materials that do not meet these specifications or to be compensated in accordance with the requirements of the Virginia Fertilizer Law. Other fertilizer products and rates may be substituted with approval from the Engineer.

2. **Fertilizer for planting plants** shall have a guaranteed 1-2-1 ratio and a 15-30-15 analysis with a minimum of 30% of the nitrogen from either a slow release or slowly soluble source with the remainder of the nitrogen from urea or ammonium nitrate. The following types of slow release or slowly soluble nitrogen fertilizers can be used: urea formaldehyde (UF){ureaform, methylene urea, and methylene diurea/dimethylene triurea}, sulfur coated urea (SCU) and polycoated urea (PCU). Urea formaldehyde products shall have a minimum activity index of 40%. The polycoated and sulfur coated ureas shall have a minimum of 3 month release duration for the total product. All slow release or slowly soluble fertilizers shall be applied as a dry surface application as shown in Volume II of the landscape section of the VDOT Road and Bridge Standards.

A copy of the material safety data sheet (MSDS) shall be provided to VDOT for each type of fertilizer supplied with each fertilizer delivery. Any fertilizer delivery that is not accompanied by the appropriate MSDS will be rejected. The fertilizer shall be uniform in composition, free flowing, and suitable for application with approved equipment. Fertilizer shall be delivered to the project in original bags or other convenient containers, each fully labeled, and shall conform to all applicable state and federal laws and regulations. Additional nutrients shall be added only when specified. All fertilizer shall be subject to testing by the Virginia Department

of Agriculture and Consumer Services. Other fertilizer products and rates may be substituted with approval from the Engineer.

**Section 244.02(e) Lime** is replaced with the following:

Lime shall be agricultural grade ground limestone. Agricultural grade pulverized or pelletized lime products may be substituted at no additional cost to the Department.

The material source shall be registered with and approved by the Virginia Department of Agriculture and Consumer Services in accordance with the Virginia Agricultural Lime Law and shall conform to the requirements of Section 240. All lime shall be subject to testing by the Virginia Department of Agriculture and Consumer Services. Other lime products may be substituted with approval from the Engineer.