Dust Control

Temporary Methods:

1. Mulches - See **DE-ESC-3.4.5**, Standard Detail and Specifications for Mulching.
2. Vegetative cover - See **DE-ESC-3.4.3**, Std. Detail and Specifications for Vegetative Stabilization.
3. Adhesives - Use on mineral soils only (not effective on muck soils). Keep traffic off these areas. The following table may be used for general guidance.

<table>
<thead>
<tr>
<th>Type of Emulsion</th>
<th>Water Dilution</th>
<th>Type of Nozzle</th>
<th>Apply Gal/Ac.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latex emulsion</td>
<td>12.5:1</td>
<td>Fine spray</td>
<td>235</td>
</tr>
<tr>
<td>Resin-in-water emulsion</td>
<td>4.1</td>
<td>Fine spray</td>
<td>300</td>
</tr>
<tr>
<td>Acrylic emulsion (non-traffic)</td>
<td>7:1</td>
<td>Coarse spray</td>
<td>450</td>
</tr>
<tr>
<td>Acrylic emulsion (traffic)</td>
<td>3.5:1</td>
<td>Coarse spray</td>
<td>350</td>
</tr>
</tbody>
</table>

4. Tillage - For emergency temporary treatment, scarify the soil surface to prevent or reduce the amount of blowing dust until a more appropriate solution can be implemented. Begin the tillage operation on the windward side of the site using a chisel-type plow for best results.

5. Sprinkling - Sprinkle site with water until the surface is moist. Repeat as needed.

6. Calcium Chloride - Apply as flakes or granular material with a spreader at a rate that will keep the soil surface moist. Re-apply as necessary.

7. Barriers - Place barriers such as soil board fences, snow fences, hay bales, etc. at right angles to the prevailing air currents at intervals of approx. 10X their height.

Permanent Methods:

1. Vegetative cover - See **DE-ESC-3.4.3**, Std. Detail and Specifications for Vegetative Stabilization.
2. Stone - Apply layer of crushed stone or coarse gravel to protect soil surface.

Source:
Adapted from VA ESC Handbook

Symbol:

Detail No.
**DE-ESC-3.4.8**
Sheet 1 of 1
Effective FEB 2019