

How to control dust



Cecil Township in Pennsylvania is controlling dust in two 60- by 120-ft. parking lots adjacent to an extensive park. Road Superintendent Roy Mitchell reports that a cold-water emulsion of petroleum resins and a wetting solution has provided the answers to his gritty problem, after less success with an oil-based material.

Water wasn't considered for the task, since it breaks the particles of the surface material into smaller ones creating more — not less — dust.

The oil-based product required temperatures of 200 to 280 degrees F for both application and drying. Aside from the excessive cost, this procedure created further difficulties in the form of tarring and chipping. Moreover, the tar stuck to automobiles and tires.

The cold-water emulsion currently in use, Coherex[®] dust retardant, is about 60% petroleum resins and 40% wetting solution. The non-volatile material can be diluted with water until it shows the right consistency for application to the surface. It can be applied cold, elimin-

ating the need for time- and energy-consuming heat applications.

WeaverTown Oil Service, a distributor for Witco's Coherex, applied the material to the parking lots. The applicator used a dilution rate 7:1 water to agent, based on the type of material involved. The worker applied the material at 0.5 gal./sq.yd.

**“... one application a year
will control dust.”**

Generally, compaction follows applying of the material. In this case, the step wasn't needed. Cars using the parking lot did the job for the township.

Mitchell estimates that one application a year will control the parking lot dust. Now, he is considering extending use of the dust retardant to dirt and gravel roads in Cecil Township. ■

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