

PA- Supplemental Guidance

AIR-01 **Injecting or Incorporating Manure** – Manure will be injected (liquid) or incorporated (dry or solid) within 24 hours using a vertical tillage implement (such as a Turbo-Till® coultter caddy, Aerway® aerator, or Phoenix® rotary harrow, etc). Vertical tillage equipment is full width and not compatible with the 329 Practice Standard.

Note – when scheduling this enhancement, the incorporation method must be applicable with the producer’s current or agreed to tillage system. Soil disturbance cannot exceed the benchmark disturbance level identified in the CMT tool during the interview. This is especially important when working with no-till systems.

This activity is applicable in Pennsylvania.

Requires current 590 nutrient management records.

Criteria # 3 - Dry or solid manure must be incorporated with a vertical tillage implement that minimizes surface disturbance and maintains 30% residue cover. Vertical tillage implements may be aerators, coultter caddies with non-concave disks with or without additional tools (ex. coil tine harrow and/or rolling basket) mounted behind. RUSLE2 operation files for vertical tillage are identified as “aerators”, “coultter caddy”, and “seedbed conditioners”. Concave disks and chisel plows are not considered vertical tillage.

Criteria # 7 – In cases were residues levels cannot be maintained above 30% a cover crop must be planted after injection or incorporation of manure. A cover crop must be planted when residue levels are below 30% following harvest or expected to fall below 30%. This would always be the case following corn silage harvest and may also apply when straw or stalks are collected and removed from the acre. Follow conservation practice standard 340 Cover Crop for species selection, and planting rate, depth, and date.

System/acre

Amount Applicable = Cropland acres

Not applicable on adjacent land

*Not compatible with: AIR03, AIR06, AIR07,
ANM01, ANM02, ANM04, ANM05, ANM06, ANM 07,
ANM08, ANM12, ANM21
ANM22,
ENR08,
PLT01, PLT06
SOE2,
SQL03,
WQL06, WQL09, WQL14*