



SC DHEC Land Application Requirements for Poultry Manure

(Guidance and docs)

- 1) The following setbacks must be utilized when land applying poultry manure:
 - a) Potable Wells --- 200 feet
 - b) Ditches --- 50 feet
 - c) Residence --- 300 feet
 - d) Waters of the State including ephemeral and intermittent streams
 - i) Spreading without incorporation --- 100 feet
 - ii) Incorporation of Manure --- 75 feet
 - iii) Incorporation of Manure within 24 hours --- 50 feet
 - iv) Injection of Manure --- 50 feet
- 2) Manure must not be applied to land that is saturated from recent precipitation, flooded, frozen, or snow-covered. Manure shall not be applied during inclement weather.
- 3) Manure must not be applied to the land surface when the vertical separation between the land surface and the water table is less than 1.5 feet. Manure must not be allowed to come into contact with groundwater.
- 4) The land application equipment, when used more than once per year, shall be calibrated at least annually to ensure that proper application rates are being attained. If the land application equipment has not been used for over a year, then the equipment must be calibrated prior to use.
- 5) Manure should not be applied to land more than 30 days before crop planting or during dormant periods for perennial species.
- 6) Use runoff control practices on sloping cultivated fields and incorporate manure as soon as possible after spreading.
- 7) Use all sanitary precautions in the collection, storage, transportation, and spreading of manure. The body of all vehicles transporting manure shall be wholly enclosed, or shall at all times, while in transit, be kept covered with a canvas cover provided with eyelets and rope tie-downs, or any other approved method which will prevent blowing or spillage of loose material or liquids. Should any spillage occur during the transportation of the manure, the owner/operator will take immediate steps to clean up the manure.
- 8) If the manure is stockpiled outside, the manure shall be stored on a concrete pad and/or other approved pad and covered with an acceptable cover to prevent odors, vectors, and runoff on a

daily basis (unless otherwise stated in the permit). The cover should be properly vented with screen wire to let the gases escape. The edges of the cover should be properly anchored.

- 9) No producer shall apply animal manure to land if any of the following cumulative loading rates have been reached:

Arsenic	37lbs/acre
Copper	1339lbs/acre
Zinc	2499lbs/acre

- 10) Manure should not be spread in the floodplain if there is danger of a major runoff event. If waste is spread in the floodplain when there is no danger of major runoff event, manure must be incorporated immediately.
- 11) Apply manure (solid or liquid) only when weather and soil conditions are favorable and when prevailing winds are blowing away from nearby opposite dwellings. Any manure that contains fly larvae and fly pupae must be disked into the ground immediately or be treated with an approved and effective fly control method. If the manure disposal on a land application area creates a fly problem for the community, the owner and or applicator will be responsible for the control of all flies resulting from the application of the manure. Assistance in fly control and fly problem prevention can be obtained through contact with the local Clemson Extension Service Office.

The landowner is responsible for applying manure to the land at an agronomic rate as determined by the annual soil and manure analysis. These requirements must be followed and the manure must be handled in a manner acceptable to the South Carolina Department of Health and Environmental Control.

