

Perspective

Impact of fertilizer accumulation on soil by manure spreader

Yaxing Jin*

Department of Chemical Engineering, Guangxi University, Guangxi, China.

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DESCRIPTION

A farming tool called a manure spreader, muck spreader, or honey wagon is used to spread manure over a field as fertilizer. The conventional (modern) manure spreader is a trailer being pulled by a tractor that has a rotating mechanism powered by the tractor's Power Take Off (PTO). In North America, truck-mounted manure spreaders are also widespread.

Manure spreaders were historically ground-powered devices that a horse or a team of horses could pull. Today, most of these ground-driven spreaders are still produced as small devices that can be pulled by larger garden tractors or All-Terrain Vehicles (ATV). New hydraulic and PTO-driven machines now allow for variable application rates. For conveying chopped forages, cereal grains, and other crops, several variants are also built with removable rotating motors (beaters), attachable side extensions, and tailgates. A typical (modern) manure spreader consists of a trailer towed behind a tractor with a rotating mechanism driven by the tractor's Power Take Off (PTO).

You should be able to work faster and more effectively on your farm with the aid of a good manure spreader. The high-quality stainless steel manure spreaders from Millcreek are made to both disperse and store manure. As a result, you won't need to spread manure every day after loading your spreader.

Spreaders must be able to apply manure consistently, effectively, and uniformly from one load to the next and over time. Careful selection and calibration assure the manure spreader's best use and effectiveness as a crucial source of agricultural fertilizer while preventing the application of too many nutrients that could harm the environment. There are various spreader systems, and each of

them has a unique calibration process. Typically, manure application methods fall into one of the following three categories:

- Systems for spreading, moving, and storing solid manure on the soil's surface.
- Technologies that apply liquid manure to the soil's surface.
- Systems that inject liquid manure into the soil beneath the surface.

Knowing the amount of manure being distributed is crucial for managing manure on farms. An adjustment to the amount of fertilizer required can be made by knowing the amount of manure distributed at the anticipated pace as well as the plant nutrients available from the manure. In order to prevent one area of the field from receiving too many nutrients while another area does not, it is crucial to spread the manure as uniformly as possible. Since the majority of the nutrients in the manure come from the field, distributing the manure across the entire farm is also crucial. Additionally, this will prevent the possible buildup of extra nutrients in fields.

The use of fertilizers is essential to the crop growing process. Distribution consistency under a variety of settings served as the fundamental performance criterion for a fertilizer distributor. Manure was previously dispersed in India using a fork and other mechanical devices, which was a labor-intensive and sluggish operation.

On pastures, you can apply 14 to 12 inch of fresh or composted manure when the weather is dry and the plants are actively growing. To discover the nutrients your plants need, test your soil; repeat the test every few years. Water can get contaminated with nutrients if manure is applied too thickly.

*Corresponding author: Yaxing Jin, Email: Jinxing46@gmail.com