



## Bulletin: Manures & Litters

### Looking to decrease your input costs by using litters and manures? Monty's® Liquid Carbon™ can help.

Farmers may not be getting all they bargain for from chicken litter and manure. However, with proper management you can increase the effectiveness of this fertility option.

Nationwide nutrient shortages, and accompanying higher prices, have impacted farmers across the nation. To offset the expense of higher fertilizer prices, many farmers have decreased the amount of granular fertilizers they apply and have turned to litter and manure as a source of nutrients for their crops. In addition, farmers have begun to explore other products that allow them to manage their crops on an as-needed basis. Applying Monty's Liquid Carbon at planting, as well as application of Monty's foliar products such as Microhance, Sulfur 15, K28 Liquid Potash, and beneficial microbial products, will help manage litter and manure applications for a greater return on your investment.

According to Oklahoma State University, manures may offer benefits but can pose their own set of problems. Only 40% of organic N present in manure will actually be available in the first year of application. P and K on the other hand are about 90% available in the first year. So, in an attempt to provide enough N, you can end up over applying P and K. Additionally, if not carefully managed, environmental concerns can arise. Finally, heavy usage of manure can lead to excessive salt and heavy metals buildups, especially in times of low rainfall.

Joe Dedman, Monty's Vice President of Agronomy, recommends an application of 2 quarts of Monty's Liquid Carbon per acre – applied before or after your chicken litter or cattle manure application. You may see a performance improvement of these natural fertilizers, while

lessening some of the negative impacts. By making 1-2 applications of Monty's Liquid Carbon you may notice an increase in the effectiveness of litter and manure applications in one of several ways:

- Increased microbial activity
- Accelerated litter break down
- Help freeing 'tied-up' nutrients
- Increased photosynthesis
- More even maturity across the field
- Improved germination under stress conditions such as cold soils and adverse weather

While Monty's Liquid Carbon, is not itself a nutrient additive, it will aid in the plant's micronutrient uptake. Dedman recommends conducting a thorough soil test prior to applying litters and manures so that you are able to accurately calculate the amount you need as part of your fertility program.

If you are exploring fertility options, by using litter and manures, maximize their effectiveness by adding Monty's Liquid Carbon.



For more information, consult your Monty's sales representative, visit [montysplantfood.com](http://montysplantfood.com), or contact Monty's at 800.978.6342.

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