

Date:
March, 2010

Equipment to Enable Increasing the Value of Manure



Aeromaster PT 120 compost turner purchased by the PRFA for use in projects and by members

Members Who Used the Aeromaster PT120 Compost Turner:

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For more Forage Facts
visit our website:

www.peaceforage.bc.ca

What We Learned

Our experiences with the **Aeromaster PT120 Compost Turner** are summarized on this page, and our experiences with the **Lowlander 75 Manure Spreader** are covered on the next page.

Members' Experiences

What did you think of the design of the compost turner?

Walter: "This machine was well designed for turning with a good strong drive line. But you have to be very careful with transporting it because of the weight, height and counter ballast it becomes very top heavy in transport."

What size of windrow works best?

Rick: "4 ft high by 12 ft wide by any length. A windrow 50 truck dumps long took about an hour to turn."

How should the windrows be setup?

Rick: "Next time I would pair the windrows, with 2 feet between them, and a tractor width between the pairs. After they shrink, I can combine 2 windrows."

Bill: "We need to be more careful with bringing less clay from the pens."

Walter: "When the truckloads of manure are dumped from the pens, they need to be tight together, not fanned out too."

Can we turn older manure piles?

Rick: "Yes, but don't get greedy. I broke an old pile apart and tried to make the windrow too big. It overworked the turner, so I ended up with 5 ton of shit to move with a pitchfork."

Compost Turner For Rent Aeromaster PT120

Manufactured by Midwest Biosystems

Rental Rates:

\$500/ day for current members
\$1000 / day for new members

Specs & Capacity:

Tractor requirements: 110 hp or more, 540 rpm PTO, 2 sets of hydraulics, creeper or extra low gear or hydrostatic drive, need to be able to go 1/2 kph or less

For More Details:

http://www.midwestbiosystems.com/PDF/Pull_Type_Turner_Specifications.pdf

What timing is best for turning?

Bill: "In my situation, piling in the fall, and waiting until the spring to turn did not work well. There were delays in the frost coming out of the windrows."

Rick: "I tried making the windrows in the fall, turning once, and that made a cooler slower composting process. I also tried cleaning out the pens in the late spring, and turning them right away; that was a much hotter, quicker process."

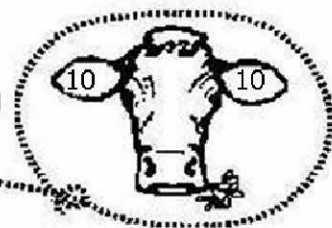
How long does the compost turning process take?

Rick: "The turning process with turning every 5 to 10 days, depending on the temperatures, seemed to take 6 to 8 weeks. Then there is a curing process."

How many members could use the turner in a season?

Rick: "The turner can be in 2 locations / season. A location can include 2 or 3 members that live close to each other and can work well together. Staggering the start of composting would help with the peak times the turner is needed."

Peace River Forage Association
of British Columbia





Vertical beaters give a more uniform distribution and finer spreading of manure onto fields.

Past Renters of the Manure Spreader:

2007:

Dale Fredrickson #
Glenn Hogberg #

2008:

Walter Fritsche #
Bill Wilson #
Ron Collins **
Burnem Grant **
Rick Kantz #

2009:

Freddy Schneider **
Dale Fredrickson #
Dennis Madden **
Bill Bouffious

interviewed in past
** interviewed here

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Manure Spreader For Rent

Lowlander 75 with Vertical Beaters

Manufactured by Bunning
Distributed by GlenMor Inc, Prince Albert

Rental Rates:

\$225 / day for current members

\$275 / day for new producer members

Specs & Capacity: 8 ft high sides, 7.5 t
Tractor requirements: 110-120 hp, 1000
rpm PTO, 2 sets of hydraulics

For more details:

<http://www.gtunning.co.uk/lowlander.htm>



Would you use it again?

Ron: "Yes. I would like to try using it right after cutting hay and spread manure about an inch thick."

Freddy: "I can't understand why there are so many manure piles, and why more members are not using this great machine."

Members' Experiences

What kind of land did you use the manure spreader on?

Ron: "I spread manure on 18 ac of worked land, about 3" thick."

Burnem: "We used it on a pasture late in the fall."

Freddy: "We spread the manure on land after silage was taken off, then disced it."

What features did you like about it?

Ron: "The capacity was good and it was easy to load. It is well made with heavy chains and gears. The vertical beaters are much better."

Burnem: "It spread extremely evenly and quite far. There was no plugging."

Freddy: "The quality of spreading was very good. It spread wide and very finely with no lumps. It was easy to adjust to whatever tractor size and speed you want."

Dennis: "It pulverized the straw or lumps and spread the manure beautifully."

Was there anything that you didn't like about the manure spreader?

Burnem: "It really needs to be cleaned up well after each user."

Freddy: "With our wide bucket, it piled the manure up in the middle. It's too bad it isn't just a few feet longer."

"I have never seen a man love a manure spreader before. Dennis had a grin on his face the whole time! But I guess It wasn't just him. I found myself off the ranch finally for a nice lunch with a quilting friend, and there we were... discussing manure spreaders. We wondered if we were too farm bound, but you would have loved the discussions, Sandra!"
Annie Madden, Chetwynd



Compiled by: Sandra Burton, Rick Kantz, Bill Wilson & Walter Fritsche Jr. in Mar 2010.

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