Solid Spreader Wagon Calibration Checklist

Common Method

1. Figure Length ________’ X Width ________’ X Height ________’ = cubic feet holding capacity.

2. Obtain a solid manure analysis test from a lab source to determine N amounts.

3. Cubic Feet ________ ft³ multiplied by N ________ (lab analysis).

4. Then divide that number ________ (ft³ / lb N) by 100 ft³ which should be what your sample will be as pounds per 100 cubic feet = ________ lb N.

5. Record # of Loads per field ________

6. Loads per field ________ loads multiplied by ________ lb N = ________ total pounds N.

7. Total pounds of N ________ lbs/N divided by number of acres ________ acres = pounds of N per acre ________ #N/Acre

Calculated Method

1. Obtain a tarp and record dimensions ________ X ________ = ft²

2. Then tarp measurements ________ ft² divided by 43,560 ft² which represents amount of square feet in an acre = ________ acre.

3. Collect solid manure from tarp and weigh the total amount. ________ lbs of solid manure.

4. Now must convert the pounds to wet tons per acre.

5. ________ lbs of solid manure by 435 = ________ lb per acre.

6. ________ lbs per acre divided by 2,000 (lbs in a ton) = wet tons/acre.

7. A sample from the buckets can be drawn and sent to an analysis lab for N content.

8. Wet tons/acre ________ multiplied by ________ lb N/wet ton (lab analysis) = ________ lbs N/acre.