

Liquid Manure Nitrogen Calculation Worksheet

Example

Sample: Liquid

Manure: Dairy, Liquid

Storage: Lagoon

Results Reported on an As- Sampled Basis

Analyst

lbs/1000gal

Ammonium Nitrogen

13.00

Total Nitrogen

25.00

Incorporated Available Nitrogen Estimate

13.95

Surface Available Nitrogen Estimate

7.45

Follow the steps:
1. Insert your sample Ammonia N and Total N

| Injection | | | | |
|------------------|----------|------|---|-------|
| | lbs/kgal | | | |
| Total Nitrogen | 25 | | | |
| Ammonia Nitrogen | 13 | x.95 | = | 12.35 |
| | | | | + |
| Organic Nitrogen | 12 | x.35 | = | 4.20 |
| | | | | = |
| | | | | 16.55 |
| | | | | x |
| | | | | 6 |
| | | | | = |
| | | | | 99.30 |

2. Subtract:
Total N - Ammonia N

3. Multiply:
Ammonia N x .95

4. Multiply:
Organic N x .35

5. Add: Step 3 + Step 4

7. Multiply

6. Insert:
Application Rate (kgals)

| Broadcast | | | | |
|------------------|----------|------|---|-------|
| | lbs/kgal | | | |
| Total Nitrogen | 25 | | | |
| Ammonia Nitrogen | 13 | x.25 | = | 3.25 |
| | | | | + |
| Organic Nitrogen | 12 | x.35 | = | 4.20 |
| | | | | = |
| | | | | 7.45 |
| | | | | x |
| | | | | 6 |
| | | | | = |
| | | | | 44.70 |

8: Replicate the steps above, but multiply Ammonia N by .25