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Year	Number of farms	Total tillable acres	Total milk (lb)	% of total N milk
2019	58	120,000	2.0 billion	13%
2020	60	140,000	2.3 billion	15%
2021	65	160,000	2.5 billion	16%
2022	85	210,000	3.3 billion	21%

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## **Lessons Learned**

- Whole farm assessment tools help identify opportunities for improvements across farm components (cows, cropland, storage, etc.)
- Assessment tools are needed to (1) evaluate outcomes, (2) document progress, and (3) share achievements
- Nutrient imports are key drivers for whole farm and field balances
- Animal density drives balances and the need for manure exports
- Whole farm mass balances give farm-level pictures
- Field based balances can help reallocate nutrients more efficiently across cropland

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