



**Cornell Nutrient Management Spear Program**  
**Mass Nutrient Balance Calculator Input Sheet**  
*N, P and K imports and exports: 1/1/2021 to 12/31/2021*

Producer Contact Information		Data Collection	
Producer name		By	
Farm name		Email	
Address			
County and State			
Phone			
E-mail		Balance year	2021

Farm Information		Watershed	
Total farm acres		Primary watershed	
All tillable owned and rented crop and pasture acres		Secondary watershed	
Legume acres (perennial and annual) >10% legume		Soil Type	
Acres receiving manure (crop and pasture)		Primary soil type	
Milk marketing co-operative		Secondary soil type	

Have you completed a Cornell Dairy Farm Business Summary (DFBS) for the balance year?

Have you completed a Farm Credit Business Summary for the balance year?

Are you a Certified Organic producer?

Intensive grazing (grazed at least 3 months/yr, moved to a new pen every 3 days or more)?

Do you have a Comprehensive Nutrient Management Plan (CNMP) for the balance year?

Do you have a Cropware plan for the balance year?

Are heifers raised off-farm?      If yes, what age group? \_\_\_\_\_

Average number and weight of farm livestock			
Animal Group		Number	Weight (lbs/head)
Cattle	Milking and dry cows		
	Heifers 1-2 year		
	Heifers <1 year		
	Calves		
	Bulls and steers		
Other livestock			

**Dairy cow breed(s)** \_\_\_\_\_

**Cull rate (%)** \_\_\_\_\_

## FARM CROP PRODUCTION

Crop name	Area (acres)	% Legume	Manure applied	CP (%DM)	P (%DM)	K (%DM)	Crop type*	Yield (t/a)	DM (%)	Inventory (tons)	
										Beginning year	Ending year

\* Crop type = "Forage", "Grain" or "Bedding"

## IMPORTS

Feeds (purchased)	Tons /year	%DM	CP (%DM)	P (%DM)	K (%DM)	Feed type*	% forage (if TMR)	Inventory	
								Beginning year (as fed tons)	Ending year (as fed tons)

\* Feed type = "Grain", "Forage" or "TMR"

Purchased fertilizers	Tons/year	% N	% P <sub>2</sub> O <sub>5</sub>	% K <sub>2</sub> O	Protected N source*? If yes, which one?

\* Enhanced efficiency fertilizer, e.g. nitrification inhibitors, urease inhibitors, slow release fertilizer

Purchased animals	Type*	Description	Number	Weight/hd (lbs)

\* Type = "Dairy", "Beef", "Swine", "Poultry", "Goats", "Sheep" or "Horses"

Bedding, manure and miscellaneous imports	Amount	Units*	% DM	N	P	K	Units** (as sampled)
			(% solids)				

\* Units = "tons/year" or "gallons/year"

\*\* Units = "%", "lbs/ton" or "lbs/1000 gallons"

**EXPORTS**

Milk sold (lbs/year)	Milk protein (%)	Milk fat (%)	Milk urea nitrogen (MUN) (mg/dl)

Animals sold	Type*	Description	Number	Weight/hd (lbs)

\* Type = "Dairy", "Beef", "Swine", "Poultry", "Goats", "Sheep" or "Horses"

Crops sold	Tons/year	%DM	CP (%DM)	P (%DM)	K (%DM)	Feed type*	
							<b>% forage</b>
<b>TMR</b>							

\* Feed type = "Grain", "Forage" or "TMR"

Manure, compost and other exports	Amount	Units*	% solids	N	P	K	Units** (as sampled)

\* Units = "tons/year" or "gallons/year"

\*\* Units = "%", "lbs/ton" or "lbs/1000 gallons"

