

#### WHY ARE THEY REQUIRED IN IDAHO?

To ensure responsible management, and to prevent nutrients from reaching water ways, keeping our rivers, lakes, streams, and drinking water healthy and productive

# NMP REQUIREMENTS

- Annual soil test for each field owned or operated
- Manure nutrient analysis
- Maps of facilities and farm ground
- Lagoon construction reports and approvals
- Parlor water usage
- Facility stormwater runoff estimates
- Total # of cows and annual nutrients produced
- Crop rotations for five years
- Total crop nutrient use
- Prescribed manure application rates
- Manure handling practices
- Nutrient budgets

#### WHAT IS THE PURPOSE OF AN NMP?

- To allocate manure nutrients across acreage to minimize any loss to the environment
- To establish agronomic application rates for improved crop fertility and yields

#### HOW ARE THEY REGULATED?

Idaho State Department of Agriculture (ISDA) is the agency charged with regulating NMPs. Dairy facilities and records are inspected multiple times each year.

#### DID YOU KNOW?

There are four dedicated environmental dairy inspectors who work for ISDA.
On average, inspectors complete 1,560 environmental inspections each year.

# WHO IS REQUIRED TO HAVE AN NMP?

 Every dairy facility in the state is required to operate under an NMP

# NMP STANDARDS

## PHOSPHORUS THRESHOLD

Manure application rates are determined by annual soil tests results.

Fields must maintain a soil test value lower than **40ppm-Olsen Phosphorus** each year.

## PHOSPHORUS SITE INDEX

Evaluates each individual field's characteristics to determine risk of phosphorus loss and manure application rates.

## Included in the assessment are the following factors:

- ▼ Natural soil conditions
- Olsen Phosphorus soil test
- Distance to surface waters
  - Slope of the field
- Soil leaching and erosion potentials

Best management practices implemented
 (i.e. sediment basins, cover cropping, perennial crops)



### THE GOAL

#### WHOLE FARM NUTRIENT BALANCE







#### TANYA OLDHAM

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Improve soil health with manure application

Enhance water use efficiency

Increase crop yields

**MAXIMIZE NUTRIENT UTILIZATION** 

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# IDAHO DAIRY

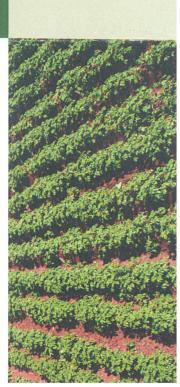
NUTRIENT MANAGEMENT PLANS

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#### MINIMIZE NUTRIENT LOSS TO THE ENVIRONMENT

Reduce soil erosion





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