

Nutrient Budget Worksheet

_____ Land Owner _____ Field Office
 _____ County _____ Date

Decision Maker: _____ Field Number: _____

Prepared by: _____ Date: _____

Dominant soil type: _____

Previous crop: _____ Yield: _____ Nutrients applied: _____

Planned crop: _____ Yield goal¹: _____

	N	P ₂ O ₅	K ₂ O	
Nutrients required for yield goal ²	_____	_____	_____	[1]
or				
Nutrient recommendations from soil tests				

Conversion values:

P multiplied by 2.3 = P₂O₅

K multiplied by 1.2 = K₂O

Nutrient credits

Legume credit ³	_____	NA	NA	[2]
Manure and organic waste ⁴	_____	_____	_____	[3]
Other contributions ⁵	_____	_____	_____	[4]
Total credits [2]=[3]=[4]	_____	_____	_____	[5]

Nutrient balance

Nutrient additions needed (or surplus) _____ [6]
 for crop yield[1]-[5]

Nutrient source:

Application method:

Application dates:

Nutrient Budget Worksheet_____
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1. Yield goal can be based on any of the following criteria:
 - a. Soil - Expected yields are published in soil survey reports. States have developed soil productivity groups.
 - b. Available soil moisture - with and without irrigation.
 - c. Field records - Farm records over extended periods (5 year minimum), FSA cropping history, field plot trials.
 - d. Growing degree days, crop maturity days for the variety.
 - e. Other acceptable methods of determining realistic yield goals.
2. Nutrient requirements based on university and extension recommendations using soil test results. The amount of nutrients required by the plants can be used if Extension Service soil test recommendations are not available.
3. Based on Penn State University Agronomy Guide.
4. Record the plant available nutrients that will be supplied during the planned crop growing season. Include residual nutrients available from previous manure applications.
5. Other contributions may be:
 - a. nutrients contained in irrigation water.
 - b. material used as soil amendment (fly ash, cover and green manure crop).

***History of nutrient application for recent crops will be helpful in revealing fields when crops are not responding as expected to applied nutrients.**