Field ID:

Crop to be grown:

Biosolids Nutrient Analysis from Laboratory			
Pounds per wet ton *refer to worksheet instructions to convert from mg/kg dry weight*			
Total N		Organic N	
NH_4-N		P	
NO_2 & NO_3-N		% Solids	

Nutrient Application Basis
If soil test phosphorus is less than **50 ppm**, base applications on crop **nitrogen** needs. **Go to Section 1**
If soil test phosphorus is greater than **50 ppm** *(Mehlich 3)* **13 ppm** *(modified Morgan)* or **35 ppm** *(Bray 1)*, the site may not be appropriate for biosolids application unless a P index indicates a low risk of P movement from the site
If soil pH is greater than **7.5**, avoid applications of lime-stabilized biosolids that will further increase pH.

Section 1 – Basing Applications on crop nitrogen needs *(refer to worksheet instructions for N credits)*

Crop Nitrogen requirement *(from soil test)*		**A**	Available N from Biosolids	NO_3-N (lb/ wet ton)	
N credits	Crop history			NH_4-N (lb/ wet ton) (divide by 2 if unicorporated)	
	Cover crop		Organic N from Biosolids – Refer to worksheet instructions for N mineralization rates	Organic N x mineralization	
	Organic matter *(%OM from soil test x 10; not to exceed 50#*; (enter 0 if crop is grass)			Residual from last year	
	Previous manure			Residual from 2 years ago	
	Starter fertilizer			Residual from 3 years ago	
	Total N credits	**B**	**Total Biosolids N**		**D**
N required from biosolids (**A** minus **B**)		**C**	**Application rate :** (**C** divided by **D**)		Wet tons/ acre

Section 2 – Basing Applications on phosphorus removal by crop if P Index is rated High

P removal per unit yield	Your yield per acre X	Crop removal = (from left)	P removal per acre	Application rate): (**A** divided by **B**)
Silage corn (T) – 5# Grain corn (bu) – 0.4# Perennial forages (T) – 15# Sod harvest (A) – 80#			**A**	
			# P per wet ton biosolids	
			B	Wet tons per acre