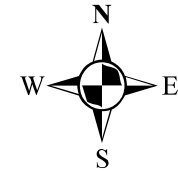










Logeman Brothers

Individual Fields

Soil Map



Legend

-  Fields
-  Water
-  Water Buffer
-  Wells
-  Well Buffer
-  Finisher Buildings
-  Existing Land Treatment
-  Waste Holding Pond

850

Feet

 **Frank & West**
Environmental Engineers, Inc.
7226 N. State Route 29 Phone: 217/487-7686
Springfield, IL 62707 Fax: 217/487-7687

Individual Field Information**Logeman Brothers Farm**

Field Name:	<u>Darrell Home Farm</u>	Total Acres	117.8
		Non-Spreadable Acres	20.9
Township	T14S-R4E	Total Spreadable Acres	96.9
Section	20		8382A Bilknap silt loam, 0-2% slopes, occasionally flooded
FSA Farm #	2510	Predominant Soil Type:	
	233		
FSA Tract #	234	P test	62.26
	1-4		
FSA Field #'s	1-4	K test	153.0667

Individual Field Application & Nutrients

Crop needs	Year	2009	2010	2011	2012	2013	2014
Crop		Corn	Beans	Corn	Beans	Corn	Beans
Yield	(bu/acre OR ton/acre)		55	200	55	200	55
N needed (lbs/ac)	lbs/ac		0	240	0	240	0
- Legume N credits	(lb/acre)		0	40	0	40	0
- Commercial fertilizer N credits	(lb/acre)						
- Manure N carryover credit **	(lb/acre)		0.0	0.0	0.0	0.0	0.0
Total N Credits	(lb/acre)		0	40.0	0.0	40.0	0.0
Crop N Need Minus Credits	(lb/acre)		0	200	0	200	0
Maintenance P needed *	(lb/acre)		46.75	86	46.75	86	46.75
Maintenance K needed *	(lb/acre)		71.5	56	71.5	56	71.5

* Maintenance P & K needed are listed for calculation & uptake purposes only

** Manure N carryover credit = Previous years' apps * Org N * Mineralization factor

Logeman Brothers Farm							
Darrell Home Farm		2009	2010	2011	2012	2013	2014
Manure Application		Corn	Beans	Corn	Beans	Corn	Beans
Storage							
Application Method							
Storage/Application Method							
1st Year Available N ($Am-N * N$ <i>retention due to app method</i>) + ($OrgN$ $* .35$)	(lb/1000 gal)						
N App Rate ($Crop\ N\ Need / 1st\ Yr\ Av\ N$)	(1000 gal/acre)						
P App Rate ($Maintenance\ P / P\ in\ analysis$)	(1000 gal/acre)						
Apply at Prate or Nrate?							
Application Rate to Use	(1000 gal)	0.0	0.0	0.0	0.0	0.0	0.0
Total application ($App\ Rate * Spreadable\ Acres$)	(gallons)						
N applied ($1st\ Year\ AvN * App\ rate$)	(lb/acre)						
P applied ($P\ in\ manure * App\ rate$)	(lb/acre)						
K applied ($K\ in\ manure * App\ rate$)	(lb/acre)						
Additional N Needed	(lb/acre)		0	200	0	200	0
Acres Covered	(acres)		0.0	0.0	0.0	0.0	0.0