



Real Life: Nitrogen Use at the Dairy Forage Research Center Farm

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Objective

- To describe the planning and use of Nitrogen for the Cropping Program at the US Dairy Forage Research Center Farm

N Use Determined by Crop Needs

- Corn 160-190
- Winter Wheat 70 -100
- Grass 150

- Alfalfa 350
- Soybean 200



N Applied as Fertilizer Determined by:

- Legume Credits-----40 to 160 Lbs
N/AC
- Manure Credits-----12 to 136 Lbs
N/AC





Corn N

		CROP			N Credits			
Field	AC	04	05	06	Legume	Manure Prior	Manure Current	Total
8100	49	Alf	CS	CG	50	12	111	173
8500	47	CS	CS	CG	-----	27	111	138
8200	28	Alf	Alf	CS	120	-----	55	175
9300	40	CG	SB	CG	40	-----	111	151
9110N	22	SB	CG		40	-----	-----	40

Winter Wheat N

		CROP			N Credits			
Field	AC	04	05	06	Legume	Manure Prior	Manure Current	Total
8600	20	RC/ SB	SB	WW	40	-----	38	78
4600	70	CG	SB	WW	40	-----	-----	40

Other "N"

Field	AC	CROP			N Credits			
		04	05	06	Legume	Manure Prior	Manure Current	Total
4300	15	G	G	G	-----	-----	55	55
Pasture		P	P	P	-----	-----	-----	-----
Alfalfa		SB	WW	Alf	-----	-----	77	77





Husky

USDA Dairy Forage
Research Center





Husky



DANGER
LIQUID MANURE
STORAGE

DANGER
LIQUID MANURE
STORAGE





2005 Corn Fertilizer N

Corn Silage	170 Ac
Corn Grain	348 Ac
	<hr/>
	518 Ac

7.810 gals 28% or 23,430 #N

45.2 #N/Ac

Corn Yields

	Acres	Low	High	Mean
2004	294.4	106	195.8	162
2005	348 (95)	162	235	202

Winter Wheat Yields

	Acres	Mean
2004	87	61.0
2005	92	80.0



MY
AREA
NG

ASBESTOS
DANGER
CANCER / LUNG
DISEASE HAZARD
AUTHORIZED PERSONNEL
ONLY

GATE NO.
8

CALLBOX

**GUARD SERVICE
GATE 8**
MON. THROUGH FRI. 6:00 A.M. TO 6:30 P.M.
CALL 3319
AT ALL OTHER TIMES
TO CONTACT GUARDS: DIAL 3319 WHEN DIALING
TONE STOPS - GIVE YOUR MESSAGE.
GUARD WILL ANSWER THROUGH THEIR RADIO.
AFTER CONVERSATION IS COMPLETE,
TOUCH # SIGN ON PHONE, LOWER RIGHT
BUTTON ON PHONE, & THEN HANG UP PHONE.