Disclaimer:
This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern**.
Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.
Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

N Management in Wheat - Bellata 2015

Trial ID: AM1521 **Location:** Lochearn **Trial Year:** 2015
Investigator: Anthony Mitchell

Planting Date:	27/05/2015				
Planting Equipment:	Small plot planter				
Row Spacing:	33cm				
Planting Depth:	3cm				
Target Plant Population:	100 /m²				
Application Code:	A	B	C	D	E
Application Date:	2/04/2015	2/04/2015	27/05/2015	27/05/2015	21/07/2015
Target/Stage:	Drilled Pre-plant March	Spread Pre-plant March	Spread IBS	Spread PSPE	Spread GS 30
Harvest Date:	19/11/2015				

Trt No.	Treatment	Product Rate	Appln. Code	26/06/2015 EMERGENCE /m² 30 DP1	17/08/2015 NDVI RATIO 34 82 DP1	15/09/2015 NDVI RATIO 49 52 111 DP1	14/07/2015 NITROGEN kg N/ha 48 DP1	4/08/2015 NITROGEN kg N/ha 69 DP1	18/08/2015 NITROGEN kg N/ha 83 DP1 ER1	19/11/2015 YIELD t/ha 176 DP1 TY1
	Crop Name:			Wheat						
	Crop Variety:			EGA Gregory						
1	Untreated	-	-	53-	0.85e	0.81g	24.0cd	57.9i	77.3j	3.64a
2	Urea	109kg/ha	A	55-	0.88bc	0.86ef	27.2bc	66.1a-g	88.5fgh	2.98bc
3	Urea	217kg/ha	A	53-	0.88bc	0.88a-d	24.9bcd	64.9c-h	92.6b-e	2.64efg
4	Urea	217kg/ha	B	57-	0.88ab	0.88bcd	28.3b	70.4ab	93.7b	2.61efg
5	Urea	435kg/ha	A	59-	0.88ab	0.89a	28.1bc	69.2abc	97.8a	2.40ghi
6	Urea Urea	109kg/ha 109kg/ha	A E	61-	0.88abc	0.88a-d	27.8bc	66.5a-g	93.0bcd	2.68def
7	Urea	109kg/ha	C	60-	0.88bc	0.86f	26.7bcd	65.6b-g	86.9ghi	3.14b
8	Urea	217kg/ha	C	49-	0.88abc	0.88a-d	24.1bcd	62.8gh	90.5c-f	2.50f-i
9	Urea	435kg/ha	C	49-	0.88bc	0.89abc	25.8bcd	64.3d-h	95.2ab	2.30hi
10	Urea	109kg/ha	D	57-	0.88abc	0.86f	27.0bcd	64.9c-h	87.8f-i	2.93bcd
11	Urea	217kg/ha	D	54-	0.88abc	0.87de	26.8bcd	67.8a-f	93.7b	2.60efg
12	Urea	435kg/ha	D	49-	0.88abc	0.89ab	26.3bcd	68.3a-e	93.1bc	2.27i
13	Urea Urea	109kg/ha 109kg/ha	C E	54-	0.88bcd	0.88a-d	26.0bcd	66.1a-g	90.0d-g	2.49f-i
14	Urea	217kg/ha	E	49-	0.87bcd	0.88cde	22.8d	63.6e-h	89.4fg	2.55e-h
15	ESN Urea	68kg/ha 43.5kg/ha	C C	58-	0.87d	0.86f	25.0bcd	60.2hi	85.3i	3.10b
16	ESN Urea	136kg/ha 87kg/ha	C C	54-	0.88bcd	0.87de	26.1bcd	63.3fgh	89.7efg	2.77cde
17	ESN Urea	136kg/ha 87kg/ha	A A	56-	0.88abc	0.88a-d	27.2bc	68.7a-d	94.0b	2.78cde
18	Agrocote Urea	38.5kg/ha 76kg/ha	C C	66-	0.87cd	0.85f	27.6bc	64.1d-h	85.5hi	3.05b
19	Agrocote Urea	77kg/ha 152kg/ha	C C	48-	0.88bcd	0.87de	26.6bcd	67.9a-f	90.0c-f	2.64efg
20	Agrocote Urea	77kg/ha 152kg/ha	A A	64-	0.89a	0.88bcd	32.7a	70.7a	95.6ab	2.63efg
			LSD=	nsd	0.009	0.013	4.30	4.86	3.15	0.257
			Treatment Prob.(F)=	0.7103	0.0001	0.0001	0.0425	0.0001	0.0001	0.0001
			CV=							6.6

Means followed by same letter do not significantly differ (P=.05, LSD)
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.
nsd = No significant difference

N Management in Wheat - Bellata 2015

Trial ID: AM1521 **Location:** Bellata **Trial Year:** 2015

Crop Name: / Crop Variety: / Rating Date: / Rating Type: / Rating Unit: / ARM Action Codes:				Wheat EGA Gregory				
				5/01/2016 PROTEIN %	5/01/2016 SCREENINGS % AL	5/01/2016 TEST WT kg/hL	5/01/2016 MOISTURE %	5/01/2016 N RECOVERY kg N/ha T2
Trt No.	Treatment	Product Rate	Appln. Code					
1	Untreated	-	-	11.3f	5.8g	74.8a	7.8ab	71.5a
2	Urea	109kg/ha	A	13.0e	9.2ef	72.3b	7.8ab	67.4a-f
3	Urea	217kg/ha	A	14.5b	12.6b	69.6ef	7.7bc	66.9a-f
4	Urea	217kg/ha	B	14.1bcd	11.1b-e	70.1c-f	7.8ab	64.2c-f
5	Urea	435kg/ha	A	16.0a	15.8a	66.3h	7.7bcd	67.1a-f
6	Urea	109kg/ha	A	14.2bc	11.3bcd	70.6b-f	7.8ab	66.4a-f
	Urea	109kg/ha	E					
7	Urea	109kg/ha	C	12.8e	9.6c-f	71.6b-e	7.8ab	70.5ab
8	Urea	217kg/ha	C	14.1bcd	12.0b	70.3b-f	7.8ab	61.4f
9	Urea	435kg/ha	C	15.5a	15.9a	67.4gh	7.7cd	62.6def
10	Urea	109kg/ha	D	12.8e	9.4def	72.0bc	7.8ab	65.5a-f
11	Urea	217kg/ha	D	13.9cd	12.8b	70.5b-f	7.7bc	62.9c-f
12	Urea	435kg/ha	D	15.6a	17.5a	66.7h	7.6d	61.7ef
13	Urea	109kg/ha	C	14.2bc	12.1b	69.7def	7.8ab	61.6ef
	Urea	109kg/ha	E					
14	Urea	217kg/ha	E	14.4b	12.1b	68.9fg	7.9a	64.0c-f
15	ESN	68kg/ha	C	12.7e	9.6c-f	71.7bcd	7.8ab	68.8abc
	Urea	43.5kg/ha	C					
16	ESN	136kg/ha	C	13.7d	10.9b-e	70.2c-f	7.8ab	66.0a-f
	Urea	87kg/ha	C					
17	ESN	136kg/ha	A	13.9cd	11.0b-e	70.7b-f	7.9a	67.4a-e
	Urea	87kg/ha	A					
18	Agrocote	38.5kg/ha	C	12.8e	8.7f	72.3b	7.9a	68.0a-d
	Urea	76kg/ha	C					
19	Agrocote	77kg/ha	C	13.6d	11.7bc	70.6b-f	7.8ab	62.9c-f
	Urea	152kg/ha	C					
20	Agrocote	77kg/ha	A	14.1bc	11.3b-e	70.0c-f	7.8ab	65.0b-f
	Urea	152kg/ha	A					
			LSD =	0.45	0.08t	2.08	0.12	6.02
			Treatment Prob.(F)=	0.0001	0.0001	0.0001	0.0163	0.0331

Rating Type

NDVI = normalized difference vegetation index
NITROGEN = nitrogen content estimated using NitCon assessment
PROTEIN = protein content
TEST WT = Hectolitre weight
N RECOVERY = Nitrogen Recovery

ARM Action Codes

ER1 = Excluded replicate 1
AL = Automatic log transformation of X+1
TY1 = 0.7142857*[C7]*(100-[C11])/87.5
T2 = [C8]*[C9]*1.75

DP1 = Days after Planting

N Management in Wheat - Bellata 2015

Trial ID: AM1521 **Location:** Bellata **Trial Year:** 2015

Application Description					
	A	B	C	D	E
Application Date:	2/04/2015		27/05/2015		21/07/2015
Application Start Time:	10:00 AM	10:00 AM	9:00 AM	9:00 AM	-
Application Timing:	MARCH	MARCH	IBS	PSPE	GS30
Application Placement:	DRILLED	TOP DRESSED			

Application Equipment					
	A	B	C	D	E
Application Equipment:	PLANTER	SPREAD			
Equipment Type:	MECH	MANUALLY SPREAD			