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 - Narrabri 2015

Trial ID: AM1520 **Location:** Millfield **Trial Year:** 2015
Investigator: Anthony Mitchell

Planting Date:	26/05/2015				
Planting Equipment:	Small plot tyned planter				
Row Spacing:	32cm				
Planting Depth:	3cm				
Target Plant Population:	100 /m²				
Application Code:	A	B	C	D	E
Application Date:	2/04/2015	2/04/2015	26/05/2015	26/05/2015	21/07/2015
Target/Stage:	Drilled Pre-plant March	Spread Pre-plant March	Spread IBS	Spread PSPE	Spread GS 30
Harvest Date:	20/11/2015				

Trt No.	Treatment	Product Rate	Appln. Code	26/06/2015 EMERGENCE /m²	17/08/2015 NDVI Ratio 34	15/09/2015 NDVI Ratio 49-52	20/11/2015 YIELD t/ha TY1	5/01/2016 PROTEIN % AL	5/01/2016 SCREENINGS % AL
	Crop Name:			Wheat					
	Crop Variety:			EGA Gregory					
	Rating Date:								
	Rating Type:								
	Rating Unit:								
	Crop Stage Majority:								
	ARM Action Codes:								
1	Untreated	-	-	62.9-	0.76f	0.73f	4.04ab	9.2g	3.0g
2	Urea	109kg/ha	A	73.9-	0.87bc	0.85e	3.71a-e	10.9ef	5.8c-f
3	Urea	217kg/ha	A	66.1-	0.88ab	0.88a-d	3.24def	12.5bc	7.4bc
4	Urea	217kg/ha	B	65.9-	0.88ab	0.88d	3.09ef	12.4bc	8.0bc
5	Urea	435kg/ha	A	69.9-	0.89a	0.90a	1.95g	14.1a	12.4a
6	Urea Urea	109kg/ha 109kg/ha	A E	66.5-	0.88ab	0.89a-d	3.26c-f	12.4bc	6.5c-f
7	Urea	109kg/ha	C	68.0-	0.85de	0.84e	3.90abc	10.9ef	4.4fg
8	Urea	217kg/ha	C	62.5-	0.87ab	0.88cd	3.07ef	11.5de	6.9cd
9	Urea	435kg/ha	C	60.6-	0.88ab	0.89ab	2.74f	13.9a	10.4ab
10	Urea	109kg/ha	D	52.7-	0.84e	0.84e	4.20a	10.9ef	4.7def
11	Urea	217kg/ha	D	59.1-	0.87ab	0.89a-d	3.45b-e	12.0bcd	6.8cde
12	Urea	435kg/ha	D	55.1-	0.86bc	0.89abc	3.11ef	13.8a	8.1bc
13	Urea Urea	109kg/ha 109kg/ha	C E	76.0-	0.86bc	0.88d	3.27c-f	12.5b	7.8bc
14	Urea	217kg/ha	E	60.1-	0.84de	0.88a-d	3.33c-f	12.7b	6.9cd
15	ESN Urea	68kg/ha 43.5kg/ha	C C	62.3-	0.84e	0.84e	3.64a-e	10.8f	4.8def
16	ESN Urea	136kg/ha 87kg/ha	C C	61.6-	0.86cd	0.88d	3.57a-e	11.7cd	5.8c-f
17	ESN Urea	136kg/ha 87kg/ha	A A	60.0-	0.87bc	0.88bcd	3.46b-e	12.5bc	8.0bc
18	Agrocote Urea	38.5kg/ha 76kg/ha	C C	66.9-	0.85de	0.84e	3.82a-d	10.8f	4.5efg
19	Agrocote Urea	77kg/ha 152kg/ha	C C	64.2-	0.87bc	0.88d	3.51b-e	12.1bcd	6.9cd
20	Agrocote Urea	77kg/ha 152kg/ha	A A	60.8-	0.88ab	0.88a-d	3.54b-e	12.7b	7.4bc
			LSD =	nsd	0.015	0.014	0.647	0.02t	0.15t
			Treatment Prob.(F)=	0.0777	0.0001	0.0001	0.0001	0.0001	0.0001
			CV=				13.4		

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 - Narrabri 2015

Trial ID: AM1520 **Location:** Millfield **Trial Year:** 2015

Crop Name:				Wheat		
Crop Variety:				EGA Gregory		
Rating Date:				5/01/2016	5/01/2016	5/01/2016
Rating Type:				TEST WT	MOISTURE	N RECOVERY
Rating Unit:				kg/hL	%	kg/ha
ARM Action Codes:						AL T2
Trt No.	Treatment	Product Rate	Appln. Code			
1	Untreated	-	-	76.8ab	10.3-	64.8cd
2	Urea	109kg/ha	A	75.5a-d	10.5-	69.0a-d
3	Urea	217kg/ha	A	73.9cde	10.4-	69.8a-d
4	Urea	217kg/ha	B	74.2b-e	10.3-	66.5bcd
5	Urea	435kg/ha	A	72.3e	10.1-	48.1e
6	Urea	109kg/ha	A	75.1a-d	10.5-	70.1a-d
	Urea	109kg/ha	E			
7	Urea	109kg/ha	C	76.8a	10.4-	73.4abc
8	Urea	217kg/ha	C	75.7a-d	10.5-	59.9d
9	Urea	435kg/ha	C	72.5e	10.0-	65.9bcd
10	Urea	109kg/ha	D	76.1abc	10.5-	79.7a
11	Urea	217kg/ha	D	75.1a-d	10.5-	72.0abc
12	Urea	435kg/ha	D	73.2de	10.3-	74.7abc
13	Urea	109kg/ha	C	74.0cde	10.3-	70.8a-d
	Urea	109kg/ha	E			
14	Urea	217kg/ha	E	74.2a-e	10.3-	73.1abc
15	ESN	68kg/ha	C	75.4a-d	10.3-	68.3a-d
	Urea	43.5kg/ha	C			
16	ESN	136kg/ha	C	75.1a-d	10.4-	72.9abc
	Urea	87kg/ha	C			
17	ESN	136kg/ha	A	73.8cde	10.2-	66.8a-d
	Urea	87kg/ha	A			
18	Agrocote	38.5kg/ha	C	76.0abc	10.5-	71.7abc
	Urea	76kg/ha	C			
19	Agrocote	77kg/ha	C	73.9cde	10.5-	73.9abc
	Urea	152kg/ha	C			
20	Agrocote	77kg/ha	A	74.0cde	10.3-	77.7ab
	Urea	152kg/ha	A			
			LSD =	2.56	nsd	0.08t
			Treatment Prob.(F)=	0.0238	0.6752	0.0011

Rating Type

NDVI = normalized difference vegetation index
PROTEIN = protein content
TEST WT = Hectolitre weight
N RECOVERY = Nitrogen Recovery

ARM Action Codes

AL = Automatic log transformation of X+1
TY1 = 0.7142857*[C5]*(100-[C9])/87.5
T2 = LOG ([11]+ 1)

N Management in Wheat - Narrabri 2015

Trial ID: AM1520 **Location:** Millfield **Trial Year:** 2015

Application Description					
	A	B	C	D	E
Application Date:	2/04/2015	2/04/2015	26/05/2015	26/05/2015	21/07/2015
Appl. Start Time:	10:00 AM	10:30 AM	10:00 AM	10:30 AM	
Appl. Stop Time:	10:30 AM	11:00 AM	10:30 AM	11:00 AM	
Application Timing:	MARCH	MARCH	PREPLA	PSPE	GS30 Stem Elongation
Application Placement:	DRILLED	TOP DRESSED			
Dew Presence (Y/N):	N no				
Soil Moisture:	SLIWET				

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