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 SHL KMT

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File: SHL KMT cropping 2 wheat crop rotation.ovc

Parameter report

Parameter name	Units	Value
Assessment year not given		
Region		High Country (> 300 m)

Block setup summary

Block name	Effective area (ha)	
Year 1 rotation	35.0	
Year 2 rotation	35.0	
Year 3 rotation	35.0	
Total area		1100

Block Information

Parameter name	Units	Value
Block name		Year 1 rotation
Effective area	ha	35
Region		High Country (> 300 m)
Cultivated area	% of area	100
Distance from coast	km	90
Rainfall	mm	500
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Soil type		MACKENZIE
Soil order (default)		Recent
Soil group (default)		Sedimentary
Soil texture group		Light
Depth to stones		< 0.3 m
TBK reserve K test		Not known
Final grid month		December
Years in pasture		10

Irrigation nutrient concentrations for block

Irrigation Source	Program default (fixed)						
Irrigation Units	mg/l						
	N	P	K	S	Ca	Mg	Na
	2.5	0.1	1.6	2.5	9.3	2.2	9.5

Crop Information

Prior history		Pasture
Previous year		
January	Crop	Grazed pasture
Irrigation rate	mm	100

Block Information

Parameter name	Units	Value					
February	Crop	Grazed pasture					
Irrigation rate	mm	100					
March	Crop	Grazed pasture					
Irrigation rate	mm	100					
April	Crop	Grazed pasture					
May	Crop	Grazed pasture					
June	Crop	Grazed pasture					
Lime / dolomite application							
Lime material		Lime (good quality)					
Rate	kg/ha/yr	250					
July	Crop	Grazed pasture					
August	Crop	Grazed pasture					
September	Crop	Grazed pasture					
October	Crop	Grazed pasture					
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	50	0	0	0	0	0	0
November				Crop			Grazed pasture
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	50	0	0	0	0	0	0
Irrigation rate				mm		100	
December				Crop			Grazed pasture
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	50	0	0	0	0	0	0
Irrigation rate				mm		100	
Current assessment year							
January	Crop	Grazed pasture					
Irrigation rate	mm	100					
February	Crop	Grazed pasture					
March							
Management Option		Crop sown					
Crop sowing details							
Crop category		Grain crops					
Crop type		Wheat (autumn)					
Product yield	grain	11					
Cultivation practice at sowing		Direct drilled					
Residual disposal method		Removed					
Olsen P		22					
QT K		7					
QT Ca		5					
QT Mg		9					
QT Na		8					
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
None	0	35	110	13	0	0	0
Irrigation rate				mm		25	
April				Crop			Wheat (autumn)

Block Information

Parameter name			Units	Value				
May			Crop	Wheat (autumn)				
June			Crop	Wheat (autumn)				
July			Crop	Wheat (autumn)				
August			Crop	Wheat (autumn)				
September			Crop	Wheat (autumn)				
Irrigation rate			mm	25				
October			Crop	Wheat (autumn)				
Soluble fertiliser (kg/ha/month)								
N Type	N	P	K	S	Ca	Mg	Na	
Urea	120	0	0	12	0	20	0	
Irrigation rate			mm	50				
November			Crop	Wheat (autumn)				
Soluble fertiliser (kg/ha/month)								
N Type	N	P	K	S	Ca	Mg	Na	
Urea	60	0	0	0	0	0	0	
Irrigation rate			mm	50				
December			Crop	Wheat (autumn)				
Soluble fertiliser (kg/ha/month)								
N Type	N	P	K	S	Ca	Mg	Na	
Urea	40	0	0	0	0	0	0	

Block Information

Parameter name			Units	Value				
Block name				Year 2 rotation				
Effective area			ha	35				
Region				High Country (> 300 m)				
Cultivated area			% of area	100				
Distance from coast			km	90				
Rainfall			mm	500				
Seasonal variation in rainfall				Low				
Annual potential evapotranspiration (PET)				801-950				
Seasonal variation in PET				Moderate				
Soil type				MACKENZIE				
Soil order (default)				Recent				
Soil group (default)				Sedimentary				
Soil texture group				Light				
Depth to stones				< 0.3 m				
TBK reserve K test				Not known				
Final grid month				December				
Years in pasture				9				
Irrigation nutrient concentrations for block								
Irrigation Source				Program default (fixed)				
Irrigation Units				mg/l				
	N	P	K	S	Ca	Mg	Na	
	2.5	0.1	1.6	2.5	9.3	2.2	9.5	

Block Information

Parameter name	Units	Value					
Crop Information							
Prior history		Grain crop					
Previous year							
January							
Management Option		Crop sown					
Crop sowing details							
Crop category		Grain crops					
Crop type		Wheat (autumn)					
Product yield	grain	11					
Cultivation practice at sowing		Direct drilled					
Residual disposal method		Retained					
Olsen P		22					
QT K		7					
QT Ca		5					
QT Mg		9					
QT Na		8					
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
None	0	30	110	13	0	0	0
February				Crop		Wheat (autumn)	
March				Crop		Wheat (autumn)	
Irrigation rate				mm		25	
April				Crop		Wheat (autumn)	
May				Crop		Wheat (autumn)	
June				Crop		Wheat (autumn)	
July				Crop		Wheat (autumn)	
August				Crop		Wheat (autumn)	
September				Crop		Wheat (autumn)	
Irrigation rate				mm		25	
October				Crop		Wheat (autumn)	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	120	0	0	12	0	20	0
Irrigation rate				mm		50	
November				Crop		Wheat (autumn)	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	60	0	0	0	0	0	0
Irrigation rate				mm		50	
December				Crop		Wheat (autumn)	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	40	0	0	0	0	0	0
Irrigation rate				mm		50	
Current assessment year							
January							
Management Option						Final harvest	
February				Crop		No crop uptake	

Block Information

Parameter name	Units	Value					
March							
Management Option		Crop sown					
Crop sowing details							
Crop category		Forages					
Crop type		Triticale (autumn)					
Yield at final defoliation	dry matter	12					
Cultivation practice at sowing		Direct drilled					
Olsen P		22					
QT K		10					
QT Ca		5					
QT Mg		15					
QT Na		8					
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
None	0	45	80	13	0	0	0
Irrigation rate				mm		25	
April				Crop		Triticale (autumn)	
May				Crop		Triticale (autumn)	
June				Crop		Triticale (autumn)	
July				Crop		Triticale (autumn)	
August				Crop		Triticale (autumn)	
September							
Management Option						Defoliation	
Defoliation details							
Defoliation method						Grazed in situ	
Dominant animal type						Male cattle	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	50	0	0	12	0	20	0
October				Crop		Triticale (autumn)	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	100	0	0	0	0	0	0
Irrigation rate				mm		50	
November				Crop		Triticale (autumn)	
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
Urea	75	0	0	0	0	0	0
Irrigation rate				mm		50	
December				Crop		Triticale (autumn)	
Irrigation rate				mm		50	

Block Information

Parameter name	Units	Value
Block name		Year 3 rotation
Effective area	ha	35
Region		High Country (> 300 m)

Block Information

Parameter name	Units	Value
Cultivated area	% of area	100
Distance from coast	km	90
Rainfall	mm	500
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Soil type		MACKENZIE
Soil order (default)		Recent
Soil group (default)		Sedimentary
Soil texture group		Medium
Depth to stones		< 0.3 m
TBK reserve K test		Not known
Final grid month		December
Years in pasture		8

Irrigation nutrient concentrations for block

Irrigation Source								Program default (fixed)
Irrigation Units								mg/l
N	P	K	S	Ca	Mg	Na		
2.5	0.1	1.6	2.5	9.3	2.2	9.5		

Crop Information

Prior history		Grain crop					
Previous year							
January							
Management Option		Final harvest					
February	Crop	No crop uptake					
March							
Management Option		Crop sown					
Crop sowing details							
Crop category		Forages					
Crop type		Triticale (autumn)					
Yield at final defoliation	dry matter	12					
Cultivation practice at sowing		Direct drilled					
Olsen P		22					
QT K		10					
QT Ca		5					
QT Mg		15					
QT Na		8					
Soluble fertiliser (kg/ha/month)							
N Type	N	P	K	S	Ca	Mg	Na
None	0	45	80	13	0	0	0
Irrigation rate				mm		25	
April				Crop		Triticale (autumn)	
May				Crop		Triticale (autumn)	
June				Crop		Triticale (autumn)	
July				Crop		Triticale (autumn)	
August				Crop		Triticale (autumn)	
September							

Block Information

Parameter name					Units	Value			
Management Option						Defoliation			
Defoliation details									
Defoliation method						Grazed in situ			
Dominant animal type						Male cattle			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	50	0	0	12	0	20	0		
October					Crop	Triticale (autumn)			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	100	0	0	0	0	0	0		
Irrigation rate					mm	50			
November					Crop	Triticale (autumn)			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	75	0	0	0	0	0	0		
Irrigation rate					mm	50			
December					Crop	Triticale (autumn)			
Irrigation rate					mm	50			
Current assessment year									
January									
Management Option						Final harvest			
February					Crop	No crop uptake			
March									
Management Option						Crop sown			
Crop sowing details									
Crop category						Grain crops			
Crop type						Wheat (autumn)			
Product yield					grain	11			
Cultivation practice at sowing						Direct drilled			
Residual disposal method						Removed			
Olsen P						22			
QT K						10			
QT Ca						5			
QT Mg						15			
QT Na						8			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
DAP	25	42	100	13	0	0	0		
Irrigation rate					mm	25			
April					Crop	Wheat (autumn)			
May					Crop	Wheat (autumn)			
June					Crop	Wheat (autumn)			
July					Crop	Wheat (autumn)			
August					Crop	Wheat (autumn)			
September					Crop	Wheat (autumn)			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	75	0	0	12	0	20	0		

Block Information

Parameter name					Units	Value			
Irrigation rate					mm	25			
October					Crop	Wheat (autumn)			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	50	0	0	0	0	0	0	0	
Irrigation rate					mm	50			
November						Final harvest			
Management Option						Final harvest			
Soluble fertiliser (kg/ha/month)									
N Type	N	P	K	S	Ca	Mg	Na		
Urea	50	0	0	0	0	0	0	0	
Irrigation rate					mm	50			
December						Crop sown			
Management Option						Crop sown			
Crop sowing details									
Crop category						Forages			
Crop type						Annual ryegrass			
Cultivation practice at sowing						Direct drilled			
Olsen P						22			
QT K						7			
QT Ca						5			
QT Mg						9			
QT Na						8			
Irrigation rate					mm	50			