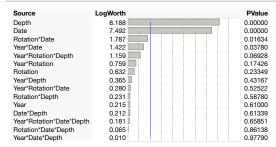
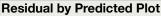
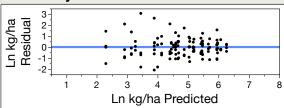


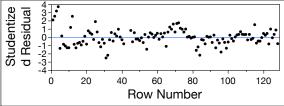
## **Effect Summary**







## Studentized Residuals



## REML Studentized Residuals

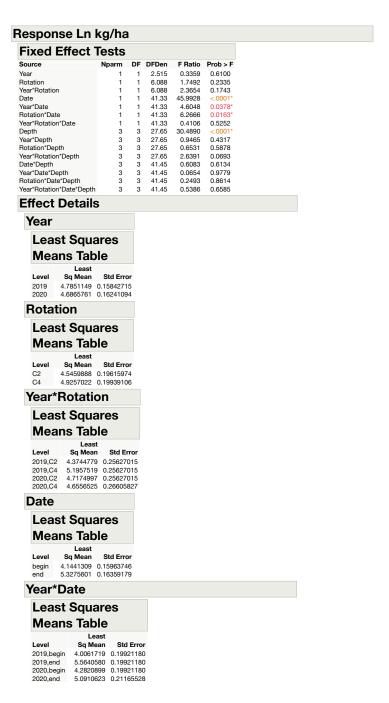
Summary of Fit					
RSquare	0.469664				
RSquare Adj	0.292886				
Root Mean Square Error	0.966186				
Mean of Response	4.738857				
Observations (or Sum Wgts)	125				

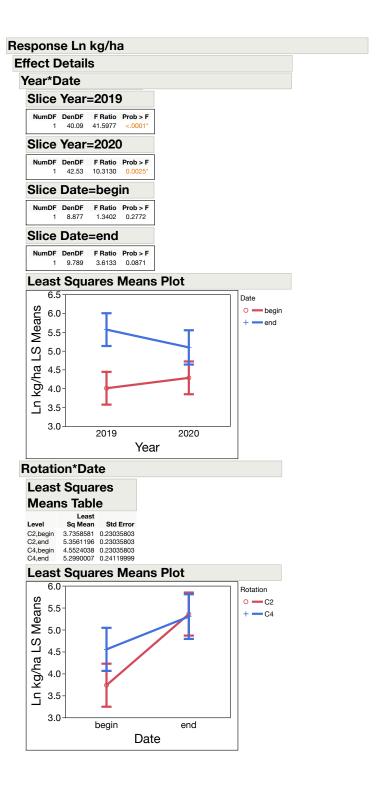
REML Variance	Component Estimates
	Var

•								
		Var				Wald p-		
Random Effect	Var Ratio	Component	Std Error	95% Lower	95% Upper	Value	Pct of Total	
Year*Block	-0.114659	-0.107036	0.1085112	-0.319714	0.1056422	0.3239	0.000	
Block[Year,Rotation]	0.2808808	0.2622066	0.188387	-0.107025	0.6314384	0.1640	21.131	
Block[Year,Rotation,Depth]	-0.232644	-0.217177	0.1346834	-0.481152	0.0467977	0.1069	0.000	
Block	0.0483458	0.0451316	0.0653544	-0.082961	0.1732238	0.4898	3.637	
Residual		0.9335156	0.2085172	0.6294865	1.5273784		75.232	
Total		1.2408538	0.2860837	0.8272674	2.0668599		100.000	

-2 LogLikelihood = 376.58456561

Note: Total is the sum of the positive variance components. Total including negative estimates = 0.9166409





## Response Ln kg/ha **Effect Details** Rotation\*Date Slice Rotation=C2 NumDF DenDF F Ratio Prob > F 1 40.09 44.9955 Slice Rotation=C4 NumDF DenDF F Ratio Prob > F 1 42.53 8.7840 Slice Date=begin NumDF DenDF 1 10.85 6.0436 0.0320\* Slice Date=end NumDF DenDF F Ratio Prob > F 1 11.52 0.0283 0.8694 Year\*Rotation\*Date **Least Squares Means Table** Least Sq Mean Std Error Level 2019,C2,begin 2019,C2,end 2019,C4,begin 2019,C4,end 2020,C2,begin 4.6911313 0.30797199 5.7003726 0.30797199 4.1505036 0.30797199 2020 C2 end 5 2844958 0 30797199 2020,C4,begin 2020,C4,end 4.4136763 0.30797199 4.8976288 0.33955443 Depth **Least Squares Means Table** Least Sq Mean 0-15cm 15-30cm 5.5224043 0.17288761 5.0215065 0.17624025 30-45cm 4.5235722 0.17624025 45-60cm 3.8758992 0.17624025 Year\*Depth **Least Squares Means Table** Least Sq Mean Level Std Error 2019,0-15cm 2019,15-30cm 5.4545574 0.22022115 4.9869173 0.22022115 2019.30-45cm 4.6215093 0.22022115 5.5902512 0.22022115 2020,0-15cm 2020,15-30cm 5.0560956 0.23060651 2020,30-45cm 4.4256351 0.23060651 2020,45-60cm 3.6743226 0.23060651 Rotation\*Depth **Least Squares Means Table** Least Sq Mean Std Error C2,0-15cm 5.4471580 0.24875055 C2.15-30cm 4.6958195 0.24875055 C2,30-45cm 4.3446980 0.24875055 C2,45-60cm 3.6962798 0.24875055 C4,0-15cm 5.5976506 0.24875055 5.3471935 0.25799001 4.7024463 0.25799001 4.0555185 0.25799001 C4,15-30cm C4,30-45cm C4,45-60cm Year\*Rotation\*Depth Date\*Depth **Least Squares Means Table** Least Sq Mean Std Error begin,0-15cm begin,15-30cm

beain.30-45cm

begin,45-60cm

end,0-15cm

3.9590156 0.24302775

3.1623715 0.24302775 5.9361243 0.24302775

