

Rice Nitrogen Recommendations

By Oscar F. Ruiz Jr DPM

Rice Variety	Total N lbs/Acre	Rice Variety	Total N lbs/Acre	Rice Variety	Total N lbs/Acre
Ahrent	150-170	Francis	150-180	Neptune	120-160
Alan	105-135	Gulfmont	100-165	Newbonnet	105-135
Banks	150-170	Hidalgo	150-180	Pirogue	120-150
Bengal	120-160	Jackson	100-140	Presidio	150-210
Bowman ⁷	150-180	Jasmine 85	80-120	Priscilla ⁷	150-200
Catahoula	90-150	Jazzman	100-160	Rice Tec CL XL 729 ⁶	120-150
Cheniere	150-170	Jefferson	100-170	Rice Tec CL XL 730 ⁶	120-150
CL 121	120-180	Jodon	100-150	Rice Tec CL XL 745 ⁶	120-150
CL 131 ⁷	150-180	Jupiter	150-170	Rice Tec XL 723 ⁶	120-150
CL 141 ⁷	120-150	Katy	135-150	Rice Tec XP 744 ⁶	120-150
CL 151 ⁷	90-130	Kaybonnet	105-135	Rice Tec Bronze ⁶	120-150
CL 161 ⁷	120-180	Koshihikari	100-135	Rice Tec Diamond ⁶	120-150
CL 171-AR ⁷	150-180	Lacassine	120-150	Rice Tec Silver ⁶	120-150
CL 261	100-180	La grue	100-140	Rico-1	70-100
CL XL8	120-180	Lafitte	100-150	Roy J	135-150
Cocodrie	100-210	Lemont	100-180	S102	70-100
Cybonnet	150-210	Litton	105-135	Saber	135-170
Cypress	100-170	L202	105-135	Sabine	150-210
Della	70-110	Madison	100-170	Saturn	60-90
Dellarose	100-165	Mars	80-120	Sierra	100-180
Dellmati	60-90	Maybelle	100-140	Spring	135-170
Dellmont	150-170	Medark	100-150	Templeton	135-150
Dixiebelle	100-170	Millie	105-135	Toro-2	100-140
Drew	100-140	Neches	100-180	Trenasse	120-180
				Wells	130-210



1. Two-thirds of the nitrogen can be applied before establishment of the permanent flood. The remaining one-third can be applied in a split application; one half at internode elongation (a.k.a green ring) and the remaining at 7-10 days after internode elongation.
2. Apply phosphorus and potassium preplant.
3. Limestone should not be applied to rice. If the alternate crop needs limestone, lime to a soil pH of 5.7 after the rice crop.
4. If the soil pH is 6.5 or greater and zinc problems have been observed, apply 4 to 6 lb Zn/ acre as zinc sulfate or 1 lb/ acre as a chelate.
5. For the second crop rice, topdress with 30-75 lb N/ acre depending on harvest date.
6. Rice Tec, Inc. recommends applying a total of 120 lb N/ acre in Mid-South/ Gulf Coast areas with **low** nitrogen fertilizer response in a split application of 90 lbs N/ acre pre-flood and 30 lbs at boot. All other areas in the Mid-South/ Gulf Coast, apply a total of 150 lbs N/ acre in a split application of 120 lbs N/ acre pre-flood and 30 lbs at boot.
7. In soils with CEC>20 meq/100g, apply an additional 30 lb N/ acre.

References

Harrel, Dustin L. 2011. Rice Fertility. Presentation. LSU AgCenter.

Norman, R.J. et al. 2009. Grain Yield Response of Fourteen New Rice Cultivars to Nitrogen Fertilization. AAES Research Series 581. p 166-180.

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