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~~WHH~~UDRIL~~Q~~UHDVH~~H~~QUR~~P~~H~~D~~D~~D~~U~~H~~QVVD~~Q~~
~~IR~~W~~F~~FURSD~~Q~~HU~~W~~HUSULFHV~~L~~KDVEHFRPH
 L~~Q~~UHDV~~L~~Q~~PS~~RUD~~D~~SS~~H~~U~~W~~HU~~V~~L~~Q~~K~~D~~D~~D~~V
~~R~~PL~~Q~~PL~~H~~Q~~V~~VHV~~S~~ ,~~Q~~W~~R~~I~~S~~ULF~~F~~H VRL~~H~~U~~W~~
 UHFRPPH~~Q~~W~~R~~Q DUH~~Q~~LDVHGHVHDUFKEDVHG
 UHFRPPH~~Q~~W~~R~~Q~~W~~H~~I~~F~~W~~H~~Q~~H~~R~~UR~~K~~FURSV~~W~~EH
 SURIL~~W~~EH~~D~~Q~~U~~K~~H~~H~~Q~~UR~~P~~H~~E~~H~~V~~DI~~H~~D~~Q~~H~~D~~
 B~~R~~SHUVRL~~F~~V~~W~~SURF~~H~~Q~~H~~V~~D~~U~~H~~W~~H~~ILUV~~W~~SL~~Q~~H~~W~~
 K~~H~~PRV~~D~~FF~~K~~D~~W~~UHFRPPH~~Q~~W~~R~~Q~~R~~PD~~L~~PR
~~W~~L~~H~~Q~~N~~R~~F~~F~~K~~V~~K~~H~~Q~~V~~R~~L~~S~~LD~~H~~T~~Q~~W~~R~~
 IL~~H~~Q~~V~~K~~R~~Q~~H~~D~~P~~H~~Q~~V~~F~~H~~V~~D~~U~~K~~L~~V~~I~~D~~F~~W~~K~~H~~H~~
~~S~~H~~U~~W~~H~~FRPPH~~Q~~W~~R~~Q~~I~~R~~U~~K~~H~~PD~~M~~R~~U~~UR~~Z~~URSV~~L~~Q
 H~~Q~~V~~V~~H~~H~~FRU~~Q~~R~~W~~H~~D~~D~~Q~~RE~~H~~D~~Q~~

KDVEH~~H~~Q~~V~~W~~E~~D~~V~~K~~H~~Q~~R~~U~~F~~H~~Q~~V~~V~~H~~H~~,IR~~K~~D~~H~~U~~H~~F~~H~~L~~H~~G
 VRL~~F~~V~~W~~H~~V~~W~~U~~R~~P~~D~~E~~X~~L~~Q~~H~~K~~D~~F~~K~~X~~H~~W~~H~~
 W~~E~~H~~E~~H~~Q~~W~~H~~U~~P~~L~~Q~~R~~K~~U~~D~~W~~D~~V~~V~~R~~F~~L~~D~~W~~G~~W~~D~~
 D~~R~~R~~E~~H~~G~~R~~K~~L~~J~~K~~R~~U~~H~~U~~K~~L~~J~~K~~X~~H~~W~~D~~W~~
 R~~E~~H~~G~~R~~K~~L~~J~~K~~R~~U~~H~~U~~K~~L~~J~~K~~W~~U~~P~~L~~Q~~W~~H~~S
 I~~H~~U~~W~~H~~U~~H~~F~~R~~P~~P~~H~~Q~~W~~R~~Q~~R~~P~~W~~H~~D~~S~~S~~U~~R~~S~~U~~L~~D~~W~~F~~U~~R~~S~~
 D~~V~~W~~G~~L~~V~~S~~K~~D~~F~~D~~R~~Q~~R~~V~~R~~L~~F~~V~~W~~H~~S~~R~~U~~W~~L~~S~~P~~
 S~~D~~U~~W~~SH~~U~~P~~L~~Q~~R~~Q~~S~~W~~D~~W~~E~~R~~F~~R~~I~~U~~W~~
 Q~~D~~F~~U~~H~~R~~U~~H~~D~~P~~S~~E~~-R~~K~~Q~~H~~E~~P~~P~~H~~U~~F~~L~~D~~Q~~E~~V
 O~~H~~K~~D~~F~~K~~V~~R~~L~~F~~V~~I~~R~~U~~S~~K~~R~~V~~S~~K~~R~~U~~X~~D~~V~~S~~S~~P~~
 D~~F~~U~~H~~K~~L~~F~~K~~I~~D~~Q~~L~~W~~S~~R~~L~~F~~V~~W~~D~~Q~~H~~R~~I~~P~~H~~G~~R~~I~~R~~U
 W~~H~~O~~H~~K~~D~~F~~K~~H~~W~~D~~F~~W~~R~~K~~Q~~F~~L~~E~~V~~S~~D~~Q~~R~~R~~Q~~U~~D~~
 P~~H~~G~~R~~W~~W~~S~~K~~R~~V~~S~~K~~R~~U~~X~~V~~R~~L~~Q~~H~~F~~R~~P~~P~~H~~Q~~
 D~~F~~U~~H~~ IR~~U~~D~~F~~R~~W~~H~~Q~~D~~L~~Q~~O~~H~~K~~D~~F~~K~~S~~K~~R~~V~~S~~K~~R~~U~~X~~
 VRL~~F~~V~~W~~ISS~~P~~

K~~H~~V~~R~~L~~F~~V~~W~~D~~E~~U~~D~~W~~R~~Q~~D~~U~~H~~E~~D~~V~~H~~R~~W~~H~~O~~H~~K~~D~~F~~K
 H~~W~~D~~F~~W~~R~~V~~R~~P~~P~~H~~U~~F~~L~~D~~E~~V~~W~~D~~W~~H~~U~~F~~H~~Q~~V~~V~~H~~H~~X~~H
 W~~H~~O~~H~~K~~D~~F~~K~~H~~W~~D~~F~~W~~R~~D~~F~~D~~E~~U~~D~~W~~R~~Q~~U~~H~~K~~D~~F~~K

~~W~~S~~P~~W

Rating	Phosphorus (IC BF) All Crops		Potassium M CB All crops but cotton		Potassium M CB Cotton	
	Mehlich-1	Mehlich-3	Mehlich-1	Mehlich-3	Mehlich-1	Mehlich-3
Low	0-18	0-30	0-90	0-114	0-140	0-178
Medium	19-30	31-60	91-160	115-203	141-280	179-356
High	31-119	61-210	161-319	204-405	281-319	357-405
Very High	120	211	320	406	320	406

* V						
/ BF	P ₂ O ₅ (lb/ B)			K ₂ O M B		
	Low*	Medium	High - Very High	Low	Medium	High - Very High
-80	90	60	0	120	90	0

*All recommendations here are based on Mehlich-1 calibrations

Corn

Yield Goal (bu/A)	N (lb/acre)	P ₂ O ₅ (lb/acre)			K ₂ O (lb/acre)		
		Low	Medium	High - Very High	Low	Medium	High - Very High
100-125	120	100	50	0	100	50	0
126-150	150	120	60	0	120	60	0
151-175	180	140	70	0	140	70	0
176-200	210	160	80	0	160	80	0
201-225	240	180	90	0	180	90	0

Small Grain

N (lb/acre)		P ₂ O ₅ (lb/acre)			K ₂ O (lb/acre)		
		Low	Medium	High - Very High	Low	Medium	High - Very High
Establishment	15-30	80	40	0	40	20	0
Topdress Small Grain	60-90	--	--	--	--	--	--

Small Grain/Soybean Rotation

N (lb/acre)		P ₂ O ₅ (lb/acre)			K ₂ O (lb/acre)		
		Low	Medium	High - Very High	Low	Medium	High - Very High
Establishment	15-30	90	60	0	120	60	0
Topdress Small Grain	60-90	--	--	--	--	--	--

Soybean

N (lb/acre)		P ₂ O ₅ (lb/acre)			K ₂ O (lb/acre)		
		Low	Medium	High - Very High	Low	Medium	High - Very High
0		40	20	0	80	40	0

¹Savoy, H. and D. Joines. Lime and Fertilizer Recommendations for the Various Crops of Tennessee. UT BESS #100. ag.tennessee.edu/spp/SPP%20Publications/chap2-agronomic_mar2009.pdf

²Savoy, H. J. and D. K. Joines. 2012. Soil Testing. UT Extension Publication 1061. The University of Tennessee. extension.tennessee.edu/publications/Documents/PB1061.pdf

