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~~WHH~~UDRIL~~Q~~UHDVH~~HQ~~UR~~PH~~DD~~DU~~H~~V~~V~~DQ~~
~~IR~~W~~F~~FURSD~~Q~~HU~~W~~HUSULFHV~~LK~~DVEHFRPH
 L~~Q~~UHDV~~LQ~~PSRUD~~DD~~SS~~HU~~W~~H~~HUV~~LQ~~KK~~DD~~DV
~~R~~PL~~Q~~PL~~HQ~~VVHV~~S~~ ,~~Q~~WR~~S~~ULF~~WH~~ VRL~~HU~~W~~W~~
 UHFRPPH~~Q~~W~~RQ~~ DUH~~Q~~LDVHGHVHDUFKEDVHG
 UHFRPPH~~Q~~W~~RQ~~DWHI~~Q~~F~~WH~~Q~~H~~CRUR~~K~~FURSV~~WEH~~
 SURIL~~WEH~~D~~Q~~UK~~HH~~QUR~~PH~~REHVDIHD~~Q~~H~~D~~
 B~~R~~SHUVRL~~FV~~MSURF~~HQ~~HVDUH~~KH~~ILUV~~W~~SL~~Q~~H~~W~~
~~K~~HPRV~~D~~FF~~KD~~HU~~H~~FRPPH~~Q~~W~~RQ~~RPDL~~PR~~
~~W~~L~~H~~W~~N~~RFF~~K~~V~~K~~H~~Q~~H~~V~~RL~~S~~LD~~H~~T~~Q~~W~~R~~
 IL~~H~~Q~~V~~K~~R~~Q~~H~~D~~P~~H~~O~~V~~F~~H~~V~~D~~U~~K~~L~~V~~I~~D~~F~~W~~K~~H~~H~~
~~S~~HU~~W~~HFRPPH~~Q~~W~~RQ~~IRU~~K~~HPDMRUUR~~Z~~EURSVL~~Q~~
 H~~Q~~VV~~H~~HFRU~~Q~~R~~M~~Q~~H~~DD~~Q~~REH~~DQ~~

KDVEH~~HQ~~V~~W~~ED~~V~~K~~H~~CRU~~HQ~~VV~~H~~H,IR~~KD~~HU~~H~~F~~H~~L~~H~~G
 VRL~~FV~~W~~H~~V~~W~~URP~~D~~EX~~LQ~~H~~K~~DF~~K~~X~~H~~W~~H~~
 DE~~HE~~H~~Q~~W~~H~~UPL~~Q~~R~~K~~UD~~W~~D~~V~~VR~~F~~LD~~H~~W~~K~~W~~D~~
~~D~~R~~R~~PH~~G~~R~~K~~L~~J~~K~~R~~U~~H~~U~~K~~L~~J~~K~~X~~H~~W~~D~~W~~
~~R~~PH~~G~~R~~K~~L~~J~~K~~R~~U~~H~~U~~K~~L~~J~~K~~W~~UPL~~Q~~W~~H~~S
 IHU~~W~~H~~U~~HFRPPH~~Q~~W~~RQ~~RP~~W~~H~~D~~SSURSUL~~D~~W~~F~~FURSD~~WEH~~
 DV~~W~~G~~L~~V~~S~~K~~O~~F~~D~~IR~~Q~~R~~K~~VRL~~FV~~W~~H~~S~~R~~U~~W~~L~~S~~P
 SDU~~W~~SHUPL~~Q~~R~~Q~~W~~D~~W~~E~~R~~F~~R~~I~~U~~W~~
 Q~~D~~FU~~H~~R~~U~~H~~D~~PS~~E~~-R~~K~~Q~~H~~E~~P~~PHUFLD~~O~~E~~V~~
 OH~~K~~DF~~K~~VRL~~FV~~IR~~U~~S~~K~~R~~V~~S~~K~~R~~U~~X~~D~~V~~S~~SP~~Q~~
 DFU~~H~~K~~L~~F~~K~~ID~~O~~L~~W~~S~~R~~L~~FV~~W~~D~~Q~~H~~R~~I~~P~~H~~G~~R~~I~~R~~U
~~W~~H~~O~~H~~K~~DF~~K~~H~~W~~D~~F~~W~~R~~K~~Q~~F~~L~~E~~V~~S~~D~~Q~~R~~R~~Q~~UD
 PH~~G~~R~~W~~W~~S~~K~~R~~V~~S~~K~~R~~U~~X~~VRL~~Q~~H~~F~~R~~P~~P~~H~~Q~~Q~~
 DFU~~H~~ IRUD~~F~~R~~W~~L~~H~~Q~~D~~L~~Q~~OH~~K~~DF~~K~~S~~K~~R~~V~~S~~K~~R~~U~~X
 VRL~~FV~~W~~R~~ISSP

~~K~~H~~V~~R~~L~~F~~V~~W~~D~~DEUD~~W~~R~~Q~~DU~~H~~EDV~~H~~R~~W~~H~~O~~H~~K~~DF~~K~~
 H~~W~~D~~F~~W~~R~~V~~R~~PPH~~U~~FLD~~O~~E~~V~~W~~D~~W~~H~~U~~L~~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~~DEUD~~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

