

**Table 3.** Typical and Agrobotimizer-recommended **soybean cropping systems** for maximum yield and profit in each location.

Location	Cropping system	Planting date	Seeding rate (seeds/ac)	Seed treatment	RM	Fungicide at R3	Pre-plant N (lbs/ac)	Seed cost (\$/140,000 seeds)	Fungicide cost (product + application \$/ac)	Nitrogen cost (\$/ac)	Selling price (\$/bu)	
2021	ARL	Typical	11-May	140,000	F+I	2.3	No	0	60			
	ARL	Yield	29-Apr	160,000	F+I	2.6	Yes	0	65	30	322	10.89
	ARL	Profit	29-Apr	160,000	F+I	2.6	No	0	65			
	PLT	Typical	27-Apr	140,000	F+I	2.3	No	0				
	PLT	Yield	27-Apr	240,000	F+I	2.6	Yes	50	60	30	322	11.08
	PLT	Profit	27-Apr	160,000	F+I	2.6	No	0				
	HAN	Typical	30-Apr	140,000	F+I	2.0	No	0				
	HAN	Yield	30-Apr	240,000	F+I	2.3	Yes	50	60	30	322	11.08
	HAN	Profit	30-Apr	165,000	F+I	2.3	No	0				
	MAR	Typical	7-May	140,000	F+I	1.4	No	0	60			
	MAR	Yield	7-May	240,000	None	1.4	Yes	50	55	30	322	11.08
	MAR	Profit	7-May	160,000	None	1.4	Yes	0	55			

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