




AE4120		Trait Options		Geographic Adaptation			PRO-FIT Placement			
<b>4.1 RM</b> 		Western West of Miss. River	HR	Moves South well for early season variety	HR	Widely adapted across the Midwest				
		Central (I-35 to I-65)	HR		Nice, big plant type					
		Eastern East of Miss. River	HR	Moves North well for full season variety	HR	Better suited to lower seeding rates				
							Goes North and South well			
General Characteristics			Agronomic Features			Disease Tolerance				
Plant Height	Med-Tall	Yield for Maturity	Excellent	Brown Stem Rot	NA					
Canopy/Plant type	Med-Bush	Emergence	Excellent	Frogeye Leaf Spot	Very Good					
Growth Habit	Branchy	Standability	Very Good	Iron Chlorosis	NA					
Flower Color	White	Shatter Resistance	Very Good	Phytophthora Field Tolerance	Very Good					
Hilum Color	Brown	Stress Tolerance	Very Good	SDS Tolerance	Very Good					
Pod Color	Brown	SCN Resistance Source	PI88788	White Mold	NA					
Pubescence	Lt. Tawny	Phytophthora Res. Source	None	Stem Canker	Excellent					
Protein	NA	No-Till Adaptability	Very Good	Root Knot	Susceptible					
Oil	NA			Cover Crop Companion	Good					
Soil Placement			Recommended Seeding Rates			Herbicide Tolerance				
Light Soils: Low O.M., Low CEC, Low water holding capacity.	HR	Row Width	Less than 130k	130k to 150k	More than 150k	Conventional		Dicamba		
Medium Soils: O.M. 1.5-3.5%, CEC 11-20, Good productivity, well drained silt loams.	HR	30" Rows	R	HR	NR	Glyphosate		2,4-D		
Heavy Soils: High O.M. >3.5%, CEC >20, Well drained highly productive with deep top soil	HR	20" Rows	R	HR	NR	Glufosinate		Callisto		
Poorly Drained Soils: Soils that tend to remain saturated for extended periods of time.	HR	15" Rows	NR	HR	R	Sulfonylurea		Isoxofluto		
		7.5" Rows	NR	NR	R					
Population ranges are listed in 1000 seeds/acre										
NR=Not Recommended, R=Recommended, HR=Highly Recommended										
Notes:										
<b>Branchy bean that likes lower populations, topped MU Variety test at Rockport with a yield of 90.6 bushels per acre which was the highest yield at any Central or North Missouri locations. Beat AE4310 in combined North Missouri trials (Resor Seeds, Peterson Genetics) by 3.6 bushels winning 70%.</b>										