

Tables for Assessing Soybean Yield Potential in Iowa

Table 1. Planting date effect on yield potential in northern, central and southern Iowa.

Planting date	Northern IA	Central IA	Southern IA
	Yield potential (%)		
Late April	100	96	98
Early May	96	100	100
Mid-May	99	96	98
Early June	81	93	89
Mid-June	61	59	82
Early July	33	45	47
Shaded values are not statistically different.			
Adapted from ISUEO publication PM 1851.			

Table 2. Seeding rate and plant population effect on yield potential in Iowa.

Seeding rate	Final plant population	Yield Potential
seeds/acre	plants/acre	%
200,000	134,200	100 a
175,000	121,200	100 a
150,000	106,500	99 ab
125,000	94,000	98 ab
100,000	75,800	96 b
75,000	60,600	91 c
Values followed by the same letter within a column are not significantly different		
Adapted from ISUEO publication CSI 0010.		

Table 3. Plant density and stand distribution effects on yield potential at three thinning growth stages.

Planting density	Thinning stage		
	VC	V3	V6
Plants/acre	Yield potential (%)		
150000 (no thinning)	94	95	94
125,000	93	96	94
100,000	94	100	91
75,000	92	93	86
50,000	86	80	69
75,000 with 1-ft gaps	91	91	84
75,000 with 2-ft gaps	86	86	81
Adapted from ISUEO publication PM 1851.			