

Quick Reference Guide: Soybean and Pulse Seeding Tips

	Soybeans	Field Peas	Dry Beans	Faba Beans
Planting Date	May (Considerations : calendar date, soil temp, 24-hour forecast and personal risk)	Late April to early May	Late May to early June	Mid-April to early May
Minimum Germination Soil Temperature	8 °C (>14 °C for faster emergence)	4 °C	12 °C (>15 °C for faster emergence)	3 to 5°C
Planting Depth	0.5 – 1.5"	1.5 – 2"	1.25 – 2"	2 – 3" or shallower if moisture is sufficient
Target Plant Stand (live plants/ac)	140-160,000 <i>Use the Bean App Seeding Rate Calculator for your most economical seeding rate.</i>	350 – 400,000 (80 – 90 live plants/m ²)	Varies by market class .	180,000 (45 live plants/m ²)
Inoculant Strategy	Species: <i>Bradyrhizobium japonicum</i> Double inoculate first-time soybean fields. Single inoculate if the field has a history of soybeans, if previous crops have nodulated well and if the most recent soybean crop was within the past four years.	Species: <i>Rhizobium leguminosarum</i> Double inoculate first-time pea fields. Single inoculate if the field has a history of peas that have nodulated well.	Inoculants have been tested in the past with little success and have not been widely commercially available. Nitrogen fertilization at an average rate of 60 lbs N/ac is standard practice in Manitoba. See soil fertility guide recommendations .	Species: <i>Rhizobium leguminosarum</i> Single inoculate.
Maximum Seed-Placed P ₂ O ₅	20 lbs P ₂ O ₅ /ac in narrow rows (<15") and 10 lbs P ₂ O ₅ /ac in wide rows	20 lbs P ₂ O ₅ /ac	10 lbs P ₂ O ₅ /ac in narrow rows (<15") and 0 in wide rows	40 lbs P ₂ O ₅ /ac
Herbicide Options	Updates in progress	2020 PRE and POST	Updates in progress	2020 PRE and POST
Growth Staging Guide				
More Information	Soybean Production	Field Pea Production	Dry Bean Production	Faba Bean Production