







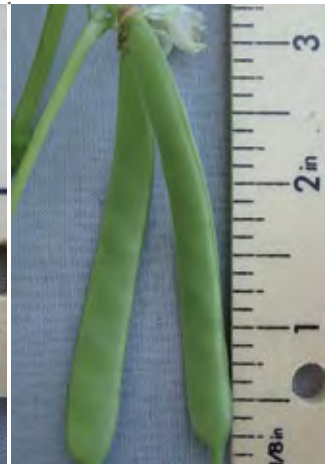









# DRY BEAN GROWTH STAGING GUIDE

<b>VE Emergence</b>	<b>VC Unifoliate</b>	<b>V1 Trifoliate</b>	<b>V2 to Vn</b>	<b>V5 bush/determinate or V8 vine/indeterminate</b>
Hypocotyl emergence.	Unrolled cotyledons and unifoliate leaves.	First unrolled trifoliate leaf.	Second unrolled trifoliate leaf, third unrolled trifoliate leaf, fourth, etc.	Flower buds visible.
				
<b>R1 Beginning bloom</b>	<b>R2 Beginning pod</b>	<b>R3 50% bloom</b>	<b>R4 Full Pod</b>	<b>R5 Beginning seed</b>
One open flower at any node.	Pods 1/2-inch long at the first flower position (base of the plant) or <i>pin bean</i> stage.	Pods 1-inch long at the first flower position. Determinate plants becoming denser, but not taller.	Pods 2 to 3 inches long at the first flower position.	Pods 3 to 4 inches long. Seeds discernible.
				

R6 50% seed	R7 Full seed	R8 Beginning maturity	R8.5 Mid maturity	R9 Full maturity	Ready to harvest
Seeds at least 1/4-inch in length over long axis.	Oldest pods with fully developed seeds.	Leaves yellowing over half the plant. Small pods ripening.	Oldest pods beginning to ripen.	At least 80% of pods ripening, 30% of leaves still green.	All pods ripe, 15–18% seed moisture.
	 Showing 'striping' of pinto beans.	 Oldest pods beginning to change colour.	 Appearance of pods and seeds.	 Seeds beginning to harden.	 Seeds rattle within pods.

FIELD VIEW

R7 Full seed	R8 Beginning maturity	R9 Full maturity	Ready to harvest
			

Type I (determinate bush) and II (indeterminate upright) are most commonly grown in Manitoba.