

How

InVigor[®]

RATE

benefits growers



BASF
We create chemistry

InVigor[®]

A better bag of seed.

InVigor[®] hybrid canola ensures every bag has a similar number of seeds and performs at the same high level you've come to expect across all bag ranges. In addition, our refined conditioning process removes seed that underperforms, further enhancing the consistency in performance of InVigor hybrid canola.

Optimized yield.

Target **5 to 7 plants/ft²** to allow InVigor hybrids to perform more consistently.



It's important to effectively control volunteers which can negatively affect plant stand and performance.



Simple.

Seeding rate recommendations on the bag make it easier to achieve 5 to 7 plants/ft².*

BAG RANGE		A	B	C	D
RECOMMENDED SEEDING RATE ¹ LBS/AC		4.2 LBS./AC. (~10 SEEDS/FT ²)	4.7 LBS./AC. (~10 SEEDS/FT ²)	5.2 LBS./AC. (~10 SEEDS/FT ²)	5.7 LBS./AC. (~10 SEEDS/FT ²)
TSW RANGE (GRAMS)		4.0-4.4	4.5-4.9	5.0-5.4	5.5-5.9
BAG WEIGHT	LBS	42.2	47.0	51.8	56.7
	KG	19.1	21.3	23.5	25.7
# OF SEEDS/BAG		MINIMUM 4.25 MILLION SEEDS			
SEEDS APPROXIMATELY 10 ACRES PER BAG					

* Recommended seeding rates are calculated according to seeding approximately 10 seeds/ft² and an average survivability of 60% to achieve 6 plants/ft². Results may vary on your farm due to environmental factors and preferred management practices.

Planning.

Easier to predict the number of bags needed and cost, since each bag will seed approximately the same number of acres.



Consistency.

Each bag contains a similar number of seeds.

FACT: InVigor RATE packaging offers farmers more seed per bag for all TSWs greater than 5.0 g than traditional 50-pound bags.

Easy to understand.

The thousand seed weight ranges and recommended seeding rates are clearly marked on the bag, making it simple to calibrate your drill.

Performance at any size.

Our hybrids perform at the same level across all bag ranges.



Seeding simplified.

BASF recommends planting 10 seeds/ft² based on the average survivability of InVigor hybrids across Western Canada. Monitoring the survivability of your fields and adjusting seeding rates accordingly will help achieve 5 to 7 plants/ft².

Check out the tables here to further dial in your rates or at agsolutions.ca/invigorrate/calculator.

Seeding rate lbs/ac

SURVIVABILITY 50%										
THOUSAND SEED WEIGHT										
DESIRED PLANT STAND (PLANTS/FT ²)	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
	A LBS/AC					B LBS/AC				
5	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
6	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6
7	5.4	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.5	6.6
DESIRED PLANT STAND (PLANTS/FT ²)	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
	C LBS/AC					D LBS/AC				
5	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
6	5.8	5.9	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8
7	6.7	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8	7.9

SURVIVABILITY 60%										
THOUSAND SEED WEIGHT										
DESIRED PLANT STAND (PLANTS/FT ²)	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
	A LBS/AC					B LBS/AC				
5	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.8	3.8	3.9
6	3.8	3.9	4.0	4.1	RECOMMENDED* 4.2	4.3	4.4	4.5	4.6	RECOMMENDED* 4.7
7	4.5	4.6	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.5
DESIRED PLANT STAND (PLANTS/FT ²)	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
	C LBS/AC					D LBS/AC				
5	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.6	4.7
6	4.8	4.9	5.0	5.1	RECOMMENDED* 5.2	5.3	5.4	5.5	5.6	RECOMMENDED* 5.7
7	5.6	5.7	5.8	5.9	6.0	6.2	6.3	6.4	6.5	6.6

SURVIVABILITY 70%										
THOUSAND SEED WEIGHT										
DESIRED PLANT STAND (PLANTS/FT ²)	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
	A LBS/AC					B LBS/AC				
5	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.2	3.3	3.4
6	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.9	3.9	4.0
7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
DESIRED PLANT STAND (PLANTS/FT ²)	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
	C LBS/AC					D LBS/AC				
5	3.4	3.5	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0
6	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.7	4.8	4.9
7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7

* Recommended rates on the bags are based on seeding approximately 10 seeds/ft² to achieve 6 plants/ft² and assuming 60% survivability. Results may vary on your farm due to environmental factors and preferred management practices.

Fine-tuning performance.

Environmental factors, field conditions and/or farming practices all influence survivability in your fields. Monitor and adjust for these factors to further maximize the performance of your InVigor canola.

Calibration is key.

Make sure to calibrate seeding equipment each time you change bag ranges, hybrids or seed treatments.

For more information, please contact your **BASF AgSolutions®** Grower or Retail Representative, call **AgSolutions** Customer Care at 1-877-377-BASF (2273) or visit **agsolutions.ca/InVigorRATE**.

Always read and follow label directions.

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