



Confined Field Trials for 2006

Summary of Submissions and Field Trials of Plants with Novel Traits (PNTs) Proceeding under the *Seeds Act*, 2006

Year	Number of Submissions	Number of Field Trials
2006	89	250

Table 1: Summary of approved submissions (for which field trials took place) and approved field trials that have been carried out in 2006. Please note that not all approved field trials take place once authorized

Crop	Nfld	PEI	NS	NB	QC	ON	MB	SK	AB	BC
Alfalfa	0	0	0	0	0	0	0	4	0	0
Brown Mustard	0	0	0	0	0	0	0	10	5	0
Canola/ <i>napus</i>	0	0	0	0	0	4	70	65	49	0
Corn	0	0	0	0	0	5	0	0	0	0
Durum Wheat	0	0	0	0	0	0	0	2	0	0
Ethiopian Mustard	0	0	0	0	0	0	0	1	0	0
Poplar	0	0	0	0	2	0	0	0	0	0
Potato	0	0	0	0	0	0	0	7	0	0
Safflower	0	0	0	0	0	0	0	0	2	0
Soybean	0	0	0	0	6	16	0	0	0	0
Wheat	0	0	0	0	0	0	1	0	0	0
White Spruce	0	0	0	0	1	0	0	0	0	0
Total	0	0	0	0	9	25	71	89	56	0

Table 2: Provincial summary of field trials for individual crops as well as summary of field trials having taken place in each province. These numbers **do not** include authorized field trials which have not taken place.

Crop	Latin Name	Field Trials	Breeding Objective										
			Herbicide Tolerance	Stress Tolerance	Genetic Research	Nutritional Change	Modified Oil Composition	Male Sterility/ Fertility estoration	Insect Resistance	Fungal Resistance	Virus Resistance	Pharmaceutical/ industrial*	Other
Alfalfa	<i>Medicago sativa</i>	4	0	0	0	0	0	0	0	0	0	0(0)	11
Brown Mustard	<i>Brassica juncea</i>	15	21	0	0	0	0	12	0	0	0	0(0)	0
Canola/ <i>napus</i>	<i>Brassica napus</i>	188	64	21	0	6	11	44	8	13	0	0(0)	250
Corn	<i>Zea mays</i>	5	5	3	0	0	0	0	0	0	0	0(0)	3
Durum Wheat	<i>Triticum turgidum</i> <i>ssp. durum</i>	2	2	0	0	0	0	0	0	0	0	0(0)	0
Ethiopian Mustard	<i>Brassica carinata</i>	1	0	0	0	0	1	0	0	0	0	0(0)	1
Poplar	<i>Populus alba x</i> <i>grandidentata</i>	2	0	0	2	0	0	0	0	0	0	0(0)	1
Potato	<i>Solanum tuberosum</i>	7	0	8	0	0	0	0	0	0	0	0(0)	8
Safflower	<i>Carthamus tinctorius</i>	2	2	0	0	0	0	0	0	0	0	2(0)	0
Soybean	<i>Glycine max</i>	22	23	0	0	1	0	0	0	0	0	0(0)	5
Wheat	<i>Triticum aestivum</i>	1	0	0	0	0	0	0	0	1	0	0(0)	1
White Spruce	<i>Picea glauca</i>	1	0	0	0	0	0	0	1	0	0	0(0)	1
Total		250	117	32	2	7	12	56	9	14	0	2(0)	281

*Numbers that are not in brackets are the number of field trials where the PNT expressed a pharmaceutical compound; numbers in brackets are the number of field trials where the PNT expressed an industrial compound.

Table 3: Summary of field trials' breeding objectives. Data has been broken down into breeding objectives of individual crops and is based on authorized field trials having taken place. Please note that some field trials had more than one breeding objective, therefore the number of field trials listed under breeding objective may exceed the total number of trials authorized. "Other" breeding objectives include antibiotic resistance, generation of mutants, expression of selectable markers and yield enhancement.

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