



Confined Field Trials for 2002

Summary of Submissions and Field Trials of Plants with Novel Traits (PNTs) Proceeding under the Seeds Act, 2002

Year	Number of Submissions	Number of Field Trials
2002	96	241

Table 1: Summary of approved submissions (for which field trials took place) and approved field trials that have been carried out in 2002. 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	5	18	1	10	0	0
Barley	0	0	0	0	0	0	1	0	0	0
Black Spruce	0	0	0	0	2	0	0	0	0	0
Brown Mustard	0	0	0	0	0	1	0	2	0	0
Canola/ <i>napus</i>	0	0	0	0	0	1	16	35	12	0
Corn	0	0	0	0	10	29	0	0	0	0
Flax	0	0	0	0	0	0	8	8	4	0
Lentil	0	0	0	0	0	0	1	4	2	0
Poplar	0	0	0	0	1	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	3	1
Sugar Beet	0	0	0	0	0	0	0	0	2	0
Sunflower	0	0	0	0	0	0	0	0	2	0
Tobacco	0	0	0	0	0	4	0	0	3	0
Tomato	0	0	0	0	0	1	0	0	0	0
Wheat	0	0	0	0	0	0	22	14	17	0
White Spruce	0	0	0	0	1	0	0	0	0	0
Total	0	0	0	0	19	54	49	73	45	1

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 Objectives										
			Herbicide Tolerance	Stress Tolerance	Genetic Research	Nutritional Change	Modified Oil Composition	Male Sterility/ Restoration	Insect Resistance	Fungal Resistance	Disease Resistance	Pharmaceutical / industrial*	Other
Alfalfa	<i>Medicago sativa</i>	34	3	18	10	0	0	0	0	0	0	0 (0)	44
Barley	<i>Hordeum vulgare</i>	1	0	0	0	0	0	0	0	1	0	0 (0)	1
Black Spruce	<i>Picea mariana</i>	2	0	0	0	0	0	0	0	0	0	0 (0)	4
Brown Mustard	<i>Brassica juncea</i>	3	3	0	0	0	0	0	0	0	0	0 (0)	0
Canola/ <i>napus</i>	<i>Brassica napus</i>	64	29	28	0	2	0	15	2	8	0	0 (0)	69
Corn	<i>Zea Mays</i>	39	31	0	0	2	0	0	31	1	0	0 (0)	7
Flax	<i>Linum usitatissimum</i>	20	0	20	0	0	0	0	0	0	0	0 (0)	25
Lentil	<i>Lens culinaris</i>	7	7	0	0	0	0	0	0	0	0	0 (0)	0
Poplar	<i>Populus alba x grandidentata</i>	1	0	0	0	0	0	0	0	0	0	0 (0)	2
Safflower	<i>Carthamus tinctorius</i>	4	4	0	0	0	0	0	0	0	0	1(3)	0
Sugar Beet	<i>Beta vulgaris</i>	2	4	0	0	0	0	0	0	0	0	0 (0)	4
Sunflower	<i>Helianthus annuus</i>	2	2	0	0	0	0	0	0	0	0	0 (0)	0
Tobacco	<i>Nicotiana tabacum</i>	7	0	1	0	0	0	0	0	0	0	2 (0)	11
Tomato	<i>Lycopersicon esculentum</i>	1	0	0	0	0	0	0	0	0	1	0 (0)	1
Wheat	<i>Triticum aestivum</i>	53	90	0	0	0	0	0	0	0	6	0 (0)	10
White Spruce	<i>Picea glauca</i>	1	0	0	0	0	0	0	1	0	0	0 (0)	1
Total		241	173	67	10	4	0	15	34	10	7	3(3)	179

*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 and yield enhancement. **Last Updated:** February 10, 2006