

PROPOSED PESTICIDE USE ON
CROWN FOREST LAND
1987/88

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PROPOSED PESTICIDE USE ON CROWN FOREST LAND

1987/88

INTRODUCTION

This report summarizes data, as supplied by the Regional Offices, on planned Ministry and licensee activities involving pesticide use for the 1987/88 fiscal year.

Other reports/documents present data on projected costs or hectares for treatment by activities. This report presents data specifically on the hectares proposed for treatment using pesticides, for various activities.

The data in this report is a projection of pesticide use and subject to factors such as current staffing, financial levels, adjusting goals and weather.

GENERAL

Pesticide use on Crown Forest Land is administered under the coordinating direction of the Protection Branch with the assignment of particular functions to Integrated Resource, Research and Silviculture Branches of the Ministry.

Currently the Integrated Resource Branch supplies direction on the use of herbicides for the purpose of Noxious Weed Control on forest lands designated for Crown Range use. The objective of these treatments is to control the spread of undesirable plant species which may seriously reduce forage production.

Protection Branch administers the regulatory policy concerning all pesticide use within the Ministry. As such, Protection Branch represents the Ministry on the provincial Pesticide Control Committee. In addition, Protection Branch administers the use of insecticides and fungicides in controlling insects and diseases.

The largest use of pesticides, specifically herbicides, is administered by Silviculture Branch under the Vegetation Management Program. This includes treatments for Right-of-Way Maintenance, Seed Tree Control, Site Rehabilitation, Conifer Release, Site Preparation and Brushing and Weeding. The objective of these treatments (with the exception of Right-of-Way Maintenance) is to enhance conifer survival and growth through control of undesirable non-crop plant species. On most sites, the use of herbicides has proven to be the most successful and cost effective method of controlling weed species.

DETAILS OF AREA

During the 1986/87 fiscal year approximately 25,000 ha of Crown Forest Land was treated with pesticides.

During the 1987/88 fiscal year, over 50,000 ha are proposed for treatment by Ministry and Industry personnel. This represents a potential 100 per cent increase over the previous year, yet only 0.1% of the total Crown Forest Land base could receive pesticide treatment during the 1987/88 fiscal year. Of the total area proposed for treatment, approximately 1000 ha (2%) will be treated for the purpose of Range Weed Control, approximately 1200 ha (2%) for Insect Control, and the remaining 48500 ha (96%) are scheduled to be treated with herbicides for vegetation control. (See Table 1).

DEFINITION OF TERMS

On the District and Regional summary pages, various terms are used to define the specific purpose of treatment. For the purpose of this report, the definitions are as follows:

Brushing - treatments carried out to enhance survival or growth of existing conifers.

- i) Broadcast - treatment of complete area.
- ii) Seed Tree Control - treatment of undesirable stems in or around the perimeter of stocked areas to prevent seeding.

Insect Control - treatments carried out for the purpose of controlling insects.

Range Weed Control - treatments to control range weeds.

Site Preparation - treatments carried out prior to planting to control weeds and/or convert productive land (occupied by weeds) to a condition appropriate for planting.

- i) Broadcast - treatment of complete areas.
- ii) Seed Tree Control - treatment of undesirable stems, in or around the perimeter of stocked areas to prevent seeding.

PRODUCTS TO BE USED

The following table gives details on pesticides scheduled for use and general rates of application, when they are applied as a broadcast sprays.

PESTICIDE		CATEGORY ¹	RATES OF APPLICATION	
Common Name	Trade Name		Kg a.i. per ha	Kg. product per ha
asulam	Asulox	H	2.2	5.5
B.t.	Dipel	I	n/a	2.5
carbaryl	Sevin	I	1.2	1.5
glyphosate	Vision ²	H	2.2	6.0
hexazinone	Velpar	H	6.0	18.0
M.S.M.A.	Glowon	I	n/a	n/a
picloram	Tordon	H	1.0	3.3
triclopyr	Garlon ³	H	2.0	4.5
2,4-D amine ⁴	Forestamine	H	3.0	6.0
2,4-D ester	For-Ester	H	3.0	6.0

NOTES

- 1 - H - Herbicide, I - Insecticide
- 2 - previously known as Roundup
- 3 - available for research use only
- 4 - referred to in the report as 2,4-D

Of the total 50811 ha scheduled for treatment, approximately 45000 ha (88%) is scheduled for treatment with the herbicide glyphosate (Vision). hexazinone (Velpar) is expected to be applied to approx. 2000 ha (4%) using exclusively ground application techniques.

Use of the herbicide 2,4-D has shown a considerable decrease in the past several years. In particular, use of 2,4-D ester is now rare. This is primarily attributed to, and coincides with the introduction of glyphosate. It is projected that during the 87/88 fiscal year, the majority of 2,4-D applications will be carried out in the Vancouver Region using the stem injection (Hack & Squirt) method. Further details of the area scheduled for treatment by chemicals are presented, in summary form, in Table 2.

METHODS OF APPLICATION

Pesticides may be applied by a variety of methods depending on the product, formulation and treatment objective.

1. AERIAL SPRAY

Of the total 50811 ha scheduled for pesticide treatment 18200 ha (36%) are proposed for treatment by aerial foliar spraying. Helicopters are expected to be used for the majority (95%). The remaining area (approximately 5%) may be treated using fixed-wing aircraft, but this is expected to be limited to treatments in the Peace River area.

Traditionally, costs for fixed wing application were considerably less than helicopter applications. In recent years a substantial decrease in helicopter application costs has been noted.

2. GROUND APPLICATION

A total 13500 ha (27% of the pesticide program) is scheduled for treatment by ground application. This method includes such tools as back packs and tank sprayers for foliar spraying and the 'spot gun' for spot application of the herbicide (Velpar) hexazinone.

3. STEM INJECTION

A total of 19,076 ha (37%) is scheduled for treatment by stem injection (Hack & Squirt) techniques.

The two primary purposes of the stem injection method of application are for Seed Tree Control, which includes Brushing treatments on the coast and Site Preparation treatments in the interior. Most coastal projects use the herbicide 2,4-D (Forestamine) whereas the interior pre-harvest Hack & Squirt projects use glyphosate (Vision).

A portion of the insect control program, proposes to apply M.S.M.A. by the stem injection technique. The objective of this program is to establish trap trees for bark beetle control.

Further details of the area scheduled for treatment by method are presented, in summary form by Region, in Table 3.

SEASON OF APPLICATION

Pesticides can be applied year round, subject to the product being used, target species, application technique and results desired.

It is expected that the majority of pesticide treatments (approximately 90%) will be carried out during the summer months, primarily August.

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

TABLE 1: Area (ha) Scheduled for Treatment by Purpose

Region	Silviculture	Insect Control	Range	Total
Vancouver	7298	-	-	7298
Prince Rupert	8019	-	-	8019
Prince George	22038	2	145	22185
Kamloops	7029	1084	705	8818
Nelson	2211	8	143	2362
Cariboo	1985	84	60	2129
Total	48580	1178	1053	50811
(%)	(96)	(2)	(2)	(100)

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

TABLE 2: Area (ha) Scheduled for Treatment by Chemical

Region	Glyphosate	2,4-D	Hexazinone	Picloram	Other	Total
Vancouver	5988	1310	-	-	-	7298
Pr. Rupert	7125	100	794	-	-	8019
Pr. George	21317	75	646	145	2	22185
Kamloops	6964	-	265	505	1084	8818
Nelson	1951	210	9	143	49	2362
Cariboo	1653	-	332	60	84	2129
Total	44998	1695	2046	853	1219	50811
(%)	(88)	(3)	(4)	(2)	(3)	(100)

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

TABLE 3: Area (ha) Scheduled for Treatment by Method

Region	Aerial Spray	Ground Application	Stem Injection	Total
Vancouver	2956	2115	2227	7298
Prince Rupert	4625	2822	572	8019
Prince George	8786	1830	11569	22185
Kamloops	1292	4256	3270	8818
Nelson	530	1442	390	2362
Cariboo	10	1071	1048	2129
Total	18199	13536	19076	50811
(%)	(36)	(27)	(37)	(100)

Treatment Purpose	Vancouver	Prince Rupert	Prince George	Kamloops	Nelson	Cariboo	Total
Brushing							
Broadcast	7159	7236	9026	1710	1122	985	27238
Seed Tree							3132
Control		38		3094			
Spot				2096			2096
Insect Control		2	1084	8	84	1178	
Range Weed							
Control			145	705	143	60	1053
Site Preparation:							
Broadcast	139	603	5852	29	734		7357
Seed Tree							
Control		42	7160		355	1000	8557
Spot		100		100			200
Total	7298	8019	22185	8818	2362	2129	50811
(%)	(14)	(16)	(44)	(17)	(5)	(4)	(100)

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1) FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	2938	glyphosate 2,4-D	1496	615	417 410
Site Preparation - broadcast	139	glyphosate	60	79	
Subtotals	3077		1556	694	827
<u>Forestry Industry:</u>					
Brushing - broadcast	4221	glyphosate 2,4-D	1400	1421	500 900
Subtotals	4221		1400	1421	1400
TOTALS	7298		2956	2115	2227

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Chilliwack (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	366	glyphosate 2,4-D	226	90	50
Site Preparation - broadcast	60	glyphosate	60		
Subtotals	426		286	90	50
<u>Forestry Industry:</u>					
Brushing - broadcast	400	glyphosate 2,4-D	200	100	100
Subtotals	400		200	100	100
TOTALS	826		486	190	150

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Maple Ridge (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	15	glyphosate			15
Site Preparation - broadcast	29	glyphosate		29	
Subtotals	44			19	15
<u>Forestry Industry:</u>					
Brushing - broadcast	71	glyphosate		71	
Subtotals	71			71	
TOTALS	115			100	15

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Squamish (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	125	glyphosate 2,4-D		25	100
Subtotals	125			25	100
<u>Forestry Industry:</u>					
Brushing - broadcast	300	glyphosate	200	100	
Subtotals	300		200	100	
TOTALS	425		200	125	100

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1) FOREST DISTRICT: Sechelt (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	155	glyphosate 2,4-D		60	65 30
Subtotals	155			60	95
<u>Forestry Industry:</u>					
Brushing - broadcast	100	glyphosate		100	
Subtotals	100			100	
TOTALS	255			160	95

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Powell River (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	427	glyphosate 2,4-D	260	80	57 30
Site Preparation - broadcast	20	glyphosate		20	
Subtotals	447		260	100	87
<u>Forestry Industry:</u>					
Brushing - broadcast	350	glyphosate	200	150	
Subtotals	350		200	150	
TOTALS	797		460	250	87

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Duncan (6)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	200	glyphosate	180	20	
Subtotals	200		180	20	
<u>Forestry Industry:</u>					
Brushing - broadcast	100	glyphosate		100	
Subtotals	100			100	
TOTALS	300		180	120	

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Port Alberni (7)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	50	glyphosate		50	
Subtotals	50			50	
<u>Forestry Industry:</u>					
Brushing - broadcast	400	glyphosate	100	300	
Subtotals	400		100	300	
TOTALS	450		100	350	

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Campbell River (8)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	390	glyphosate 2,4-D		150	140 100
Subtotals	390			150	240
<u>Forestry Industry:</u>					
Brushing - broadcast	400	glyphosate	100	300	
Subtotals	400		100	300	
TOTALS	790		100	450	240

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Port McNeill (9)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	430	glyphosate 2,4-D	100	140	90 100
Site Preparation - broadcast	30	glyphosate		30	
Subtotals	460		100	170	190
<u>Forestry Industry:</u>					
Brushing - broadcast	1500	glyphosate 2,4-D	400	100	500 500
Subtotals	1500		400	100	1000
TOTALS	1960		500	270	1190

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Mid Coast (10)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	730	glyphosate	730		
Subtotals	730		730		
<u>Forestry Industry:</u>					
Brushing - broadcast	300	glyphosate	200	100	
Subtotals	300		200	100	
TOTALS	1030		930	100	

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Vancouver (1)

FOREST DISTRICT: Queen Charlotte (11)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	50	glyphosate			50
Subtotals	50				50
<u>Forestry Industry:</u>					
Brushing - broadcast	300	2,4-D			300
Subtotals	300				300
TOTALS	350				350

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY*

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	5870	glyphosate	3306	1791	367
		hexazinone		406	
- seed tree control	38	hexazinone		38	
Site Preparation					
- broadcast	573	glyphosate	311	92	70
		2,4-D			100
- spot	100	hexazinone		100	
Subtotals	6581		3617	2427	537
<u>Forestry Industry:</u>					
Brushing					
- broadcast	1366	glyphosate	1008	145	5
		hexazinone		208	
Site Preparation					
- broadcast	30	glyphosate			30
- seed tree control	42	hexazinone		42	
Subtotals	1438		1008	395	35
TOTALS	8019		4625	2822	572

*Note: No pesticide treatments were proposed in the Cassiar (7) District.

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Lakes (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	755	glyphosate hexazinone	490	265	
Site Preparation - broadcast	367	glyphosate 2,4-D	202		65
- spot	100	hexazinone		100	100
Subtotals	1222		692	365	165
<u>Forestry Industry:</u>					
Brushing - broadcast	126	hexazinone		126	
Site Preparation - seed tree control	30	glyphosate			30
Subtotals	156			126	30
TOTALS	1378		692	491	195

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Morice (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	1375	glyphosate hexazinone	522	727 126	
Subtotals	1375		522	853	
<u>Forestry Industry:</u>					
Brushing	685	glyphosate hexazinone	598	82	5
Subtotals	685		598	82	5
TOTALS	2060		1120	935	5

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Bulkley (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	1608	glyphosate	1584	9	
		hexazinone		15	
- seed tree control	38	hexazinone		38	
Site Preparation					
- broadcast	109	glyphosate	109		
Subtotals	1755		1693	62	
<u>Forestry Industry:</u>					
Brushing					
- broadcast	150	glyphosate	150		
Site Preparation					
- seed tree control	42	hexazinone		42	
Subtotals	192		150	42	
TOTALS	1947		1843	104	

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Kispiox (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	1386	glyphosate	390	890	106
Subtotals	1386		390	890	106
<u>Forestry Industry:</u>					
Brushing - broadcast	200	glyphosate	160	40	
Subtotals	200		160	40	
TOTALS	1586		550	930	106

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: Kalum (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	582	glyphosate	320	71	191
Site Preparation - broadcast	67	glyphosate		67	
Subtotals	649		320	138	191
<u>Forestry Industry:</u>					
Brushing - broadcast	60	glyphosate		60	
Subtotals	60			60	
TOTALS	709		320	198	191

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince Rupert (2)

FOREST DISTRICT: North Coast (6)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	164	glyphosate		94	70
Site Preparation	30	glyphosate		25	5
Subtotals	194			119	75
<u>Forestry Industry:</u>					
Brushing - broadcast	145	glyphosate	100	45	
Subtotals	145		100	45	
TOTALS	339		100	164	75

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	4102	glyphosate	3175	927	
Conifer Release					
- broadcast	131	glyphosate	131		
Range Weed Control	145	picloram		145	
Site Preparation					
- broadcast	1398	glyphosate	786	172	440
- seed tree control	250	glyphosate 2,4-D			175 75
Insect Control	2	MSMA			2
Subtotals	6028		4092	1244	692
<u>Forestry Industry:</u>					
Brushing					
- broadcast	4593	glyphosate hexazinone	3524	400 69	600
Conifer Release					
- broadcast	200	glyphosate			200
Site Preparation					
- broadcast	4454	glyphosate hexazinone	1170	20 97	3167
- seed tree control	6910	glyphosate hexazinone			6430 480
Subtotals	16157		4694	586	10877
TOTALS	22185		8786	1830	11569

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Prince George West (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	842	glyphosate	767	75	
Site Preparation - broadcast	440	glyphosate			440
Subtotals	1282		767	75	440
<u>Forestry Industry:</u>					
Brushing - broadcast	400	glyphosate	400		
Site Preparation	1833	glyphosate			1833
Subtotals	2233		400		1833
TOTALS	3515		1167	75	2273

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Prince George East (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	250	glyphosate	250		
Site Preparation - broadcast	600	glyphosate	600		
- seed tree control	100	glyphosate			100
Subtotals	950		850		100
<u>Forestry Industry:</u>					
Brushing - broadcast	6007* (1000)	glyphosate	6007* (1000)		
Site Preparation - broadcast	275	glyphosate	275		
Subtotals	1275		1275		
TOTALS	2225		2125		100

*Licensee Estimate - funding is only available for $\pm$ 1000 ha used in
'Totals'.

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: McBride (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	185	glyphosate	125	60	
Site Preparation - broadcast	60	glyphosate	60		
Range Weed Control	97	picloram		97	
Subtotals	342		185	157	
<u>Forestry Industry:</u>					
Brushing - broadcast	142	glyphosate	100	42	
Site Preparation - broadcast	90	glyphosate	70	20	
Subtotals	232		170	62	
TOTALS	574		355	219	

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Vanderhoof (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Range Weed Control	5	picloram		5	
Site Preparation - seed tree control	150	glyphosate 2,4-D amine			75 75
Insect Control	2	MSMA			2
Subtotals	155			5	150
<u>Forestry Industry:</u>					
Site Preparation - broadcast	300	glyphosate	300		
- seed tree control	500	glyphosate			500
Subtotals	800		300		500
TOTALS	955		300	5	650

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Fort St. James (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	600	glyphosate	381	219	
Subtotals	600		381	219	
<u>Forestry Industry:</u>					
Brushing - broadcast	256	glyphosate	256		
Site Preparation - broadcast	1642	glyphosate hexazinone	232	76	1334
Subtotals	1898		488	76	1334
TOTALS	2498		869	295	1334

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Mackenzie (6)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	339	glyphosate	100	239	
Site Preparation - broadcast	298	glyphosate	126	172	
Subtotals	637		226	411	
<u>Forestry Industry:</u>					
Brushing - broadcast	2337	glyphosate hexazinone	1368	300 69	600
Site Preparation - broadcast	314	glyphosate hexazinone	293	21	
- seed tree control	5960	glyphosate hexazinone			5480 480
Subtotals	8611		1661	390	6560
TOTALS	9248		1887	801	6560

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3) FOREST DISTRICT: Dawson Creek (7)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	609	glyphosate	337	272	
Conifer Release - broadcast	131	glyphosate	131		
Range Weed Control	37	picloram		37	
Subtotals	777		468	309	
<u>Forestry Industry:</u>					
Brushing - broadcast	58	glyphosate		58	
Conifer Release	200	glyphosate			200
Subtotals	258			58	200
TOTALS	1035		468	367	200

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Fort St. John (8)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	762	glyphosate	700	62	
Range Weed Control	4	picloram		4	
Subtotals	766		700	66	
<u>Forestry Industry:</u>					
Brushing - broadcast	1600* (400)	glyphosate	1600* (400)		
Site Preparation - seed tree control	450	glyphosate			450
Subtotals	850		400		450
TOTALS	1616		1100	66	450

*Licensee estimate - funding is only available for $\pm$ 400 Ha - 400 used in "totals".

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Prince George (3)

FOREST DISTRICT: Fort Nelson (9)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	515	glyphosate	515		
Subtotals	515		515		
TOTALS	515		515		

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	1615	glyphosate	273	1064	18
		hexazinone	0	260	0
- spot	1976	glyphosate	0	1976	0
- seed tree control	1624	glyphosate	0	0	1624
Range Weed Control	705	picloram	0	505	0
		glyphosate		200	
Site Preparation					
- broadcast	29	glyphosate	19	10	0
- spot	100	glyphosate	0	0	100
Insect Control	573	MSMA	0	0	43
		carbaryl	0	20	0
		B.t.	500	10	0
Subtotals	6622		792	4045	1785
<u>Forestry Industry:</u>					
Brushing					
- broadcast	95	hexazinone	0	5	0
		glyphosate	0	86	4
- spot	120	glyphosate	0	120	0
- seed tree control	1470	glyphosate	0	0	1470
Insect Control	511	MSMA	0	0	11
		B.t.	500	0	0
Subtotals	2196		500	211	1485
TOTALS	8818		1292	4256	3270

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Clearwater (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - spot	803	glyphosate	0	803	0
Range Weed Control	30	picloram	0	30	0
Insect Control	10	B.t.	0	10	0
Subtotals	843		0	843	0
<u>Forestry Industry:</u>					
Brushing - spot	120	glyphosate	0	120	0
Subtotals	120		0	120	0
TOTALS	963			963	0

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Kamloops (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	20	hexazinone	0	20	0
- spot	260	glyphosate	0	260	0
- seed tree control	70	glyphosate	0	0	70
Range Weed Control	240	picloram	0	240	0
Site Preparation					
- spot	100	glyphosate	0	0	100
Insect Control	2	MSMA	0	0	2
	500	B.t.	500	0	0
Subtotals	1192		500	520	172
<u>Forestry Industry:</u>					
Brushing					
- broadcast	30	hexazinone	0	5	0
		glyphosate	0	25	0
- seed tree control	240	glyphosate	0	0	240
Insect Control	1	MSMA	0	0	1
Subtotals	271		0	30	241
TOTALS	1463		0	1050	413

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Salmon Arm (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	132	glyphosate	0	52	0
		hexazinone	0	80	0
- spot	913	glyphosate	0	913	0
- seed tree control	600	glyphosate	0	0	600
Range Weed Control	60	picloram	0	60	0
Insect Control	2	MSMA	0	0	2
Subtotals	1707		0	1105	602
<u>Forestry Industry:</u>					
Insect Control	2	MSMA	0	0	2
Subtotals	2		0	0	2
TOTALS	1709		0	1105	604

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Vernon (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	400	glyphosate	0	400	0
- seed tree control	250	glyphosate	0	0	250
Range Weed Control	40	picloram	0	40	0
Insect Control	4	MSMA	0	0	4
Subtotals	694		0	440	254
<u>Forestry Industry:</u>					
Brushing					
- seed tree control	500	glyphosate	0	0	500
Insect Control	500	B.t.	500	0	0
Subtotals	1000		500	0	500
TOTALS	1694		500	440	754

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Penticton (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	200	glyphosate	0	200	0
- seed tree control	500	glyphosate	0	0	500
Range Weed Control	100	picloram	0	100	0
Insect Control	2	MSMA	0	0	2
Subtotals	802		0	300	502
<u>Forestry Industry:</u>					
Brushing					
- seed tree control	700	glyphosate	0	0	700
Insect Control	3	MSMA	0	0	3
Subtotals	703		0	0	703
TOTALS	1505		0	300	1205

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Merritt (6)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing					
- broadcast	453	glyphosate	0	293	0
		hexazinone		160	
- seed tree control	204	glyphosate	0	0	204
Range Weed Control	200	glyphosate	0	200	0
Insect Control	30	MSMA	0	0	30
	20	carbaryl	0	20	0
Subtotals	907		0	673	234
<u>Forestry Industry:</u>					
Brushing					
- seed tree control	30	glyphosate	0	0	30
Insect Control	5	MSMA	0	0	5
Subtotals	35		0	0	35
TOTALS	942		0	673	269

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Kamloops (4)

FOREST DISTRICT: Lillooet (7)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	410	glyphosate	273	119	18
Range Weed Control	35	picloram	0	35	0
Site Preparation - broadcast	29	glyphosate	19	10	0
Insect Control	3	MSMA	0	0	3
Subtotals	477		292	164	21
<u>Forestry Industry:</u>					
Brushing - broadcast	65	glyphosate	0	61	4
Subtotals	65		0	61	4
TOTALS	542		292	225	25

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	1122	glyphosate 2,4-D hexazinone asulam triclopyr	120	921 5 8 40 1	27
Insect Control	8	MSMA			8
Range Weed Control	143	picloram		143	
Site Preparation - broadcast	593	glyphosate 2,4-D Ester hexazinone	120 185	287 1	
Subtotals	1866		425	1406	35
<u>Forestry Industry:</u>					
Site Preparation - broadcast - seed tree control	141 355	glyphosate glyphosate 2,4-D	105	36	335 20
Subtotals	496		105	36	355
TOTALS	2362		530	1442	389

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Cranbrook (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Insect Control	1	MSMA			1
Range Weed Control	30	picloram		30	
Subtotals	31			30	1
TOTALS	31			30	1

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Invermere (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	2	glyphosate		2	
Site Preparation - broadcast	1	hexazinone		1	
Insect Control	4	MSMA			4
Range Weed Control	10	picloram		10	
Subtotals	17			13	4
TOTALS	17			13	4

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Golden (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	10	2,4-D hexazinone		5 5	
Insect Control	1	MSMA			1
Subtotals	11			10	1
<u>Forestry Industry:</u>					
Site Preparation - broadcast	141	glyphosate	105	36	
- seed tree control	355	glyphosate 2,4-D			335 20
Subtotals	496		105	36	335
TOTALS	507		105	46	356

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Revelstoke (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	400	glyphosate	120	270	10
Site Preparation - broadcast	400	glyphosate	120	280	
Subtotals	800		240	550	10
TOTALS	800		240	550	10

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Arrow (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	483	glyphosate		483	
Insect Control	1	MSMA			1
Range Weed Control	6	picloram		6	
Subtotals	490			489	1
TOTALS	490			489	1

FISCAL YEAR 1987/88
SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Boundary (6)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Insect Control	1	MSMA			1
Range Weed Control	93	picloram		93	
<hr/>					
Subtotals	94			93	1
<hr/>					
TOTALS	94			93	1

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Nelson (5)

FOREST DISTRICT: Kootenay Lake (7)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast*	227	glyphosate asulam hexazinone triclopyr		166 40 3 1	17
Range Weed Control	4	picloram		4	
Site Preparation - broadcast*	192	2,4-D Ester glyphosate	185	7	
Subtotals	423		185	221	17
TOTALS	423		185	221	17

*Note - due to the public protest of the herbicide program, it is quite conceivable that none of the planned projects will be implemented.

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: Regional Total

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	833	glyphosate hexazinone	10	519 302	2
Range Weed Control	60	picloram		60	
Site Preparation - seed tree control	1000	glyphosate			1000
Insect Control	84	MSMA carbaryl		60	24
Subtotals	1977		10	941	1026
<u>Forestry Industry:</u>					
Brushing - broadcast	152	glyphosate hexazinone		100 30	22
Subtotals	152			130	22
TOTALS	2129		10	1071	1048

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: Quesnel (1)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	511	glyphosate hexazinone	10	201 300	
Insect Control	7	MSMA carbaryl		2	5
Range Weed Control	4	picloram		4	
Subtotals	522		10	507	5
<u>Forestry Industry: (estimated)</u>					
Brushing - broadcast	130	glyphosate hexazinone		100 30	
Subtotals	130			130	
TOTALS	652		10	637	5

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: Williams Lake (2)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	91	glyphosate		91	
Insect Control	8	MSMA carbaryl		3	5
Range Weed Control	4	picloram		4	
Site Preparation - seed tree control	500	glyphosate			500
Subtotals	603			98	505
TOTALS	603			98	505

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: Horsefly (3)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	131	glyphosate hexazinone		127 2	2
Insect Control	6	MSMA carbaryl		2	4
Range Weed Control	2	picloram		2	
Subtotals	139			133	6
TOTALS	139			133	6

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: 100 Mile House (4)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Brushing - broadcast	100	glyphosate		100	
Site Preparation - seed tree control	500	glyphosate			500
Insect Control	8	MSMA carbaryl		3	5
Range Weed Control	40	picloram		40	
Subtotals	648			143	505
<u>Forest Industry:</u>					
Brushing - broadcast	22	glyphosate			22
Subtotals	22				22
TOTALS	670			143	527

FISCAL YEAR 1987/88

SUMMARY OF PROPOSED PESTICIDE USE
BCFS AND FOREST INDUSTRY

FOREST REGION: Cariboo (6)

FOREST DISTRICT: Chilcotin (5)

TREATMENT PURPOSE	TREATMENT AREA (HA)	PESTICIDES	AREA (HA) BREAKDOWN BY TREATMENT METHODS		
			AERIAL SPRAY	GROUND APPLIC.	STEM INJECTION
<u>BCFS:</u>					
Insect Control	55	MSMA carbaryl		50	5
Range Weed Control	10	picloram		10	
Subtotals	65			60	5
TOTALS	65			60	5