

Pest	Group	Active Ingredient	Pesticide Product Name	Rate	Restricted-Entry Interval (REI)	Pre-Harvest Interval (days)	Remarks
WEEDS:							
Preplant <i>Perennial weeds including quackgrass</i>	14	Carfentrazone-ethyl	Aim EC	36.5-117 ml/ha	-	1	Apply in minimum spray volume of 100 L/ha. Refer to label for target weeds, buffer zones and rates. Use high flow rate nozzles to apply the highest spray volume.
	9	Glyphosate	Roundup Transorb HC	1.67-4.67 L/ha	12 hours	7	Apply in the fall or spring prior to planting. Annual weed control programs will be necessary to control weeds germinating after planting. For quackgrass control, apply to actively growing quackgrass when at least 4 new leaves are present. The low rate (1.67 L/ha) will provide a minimum of one season control, while higher rates (1.67-4.67 L/ha) will provide longer term control. The low rate of Roundup should be applied in 50 to 100 L/ha water. If higher water volumes are used, add a suitable surfactant. Allow 3 or more days after treatment before tillage. Best control of quackgrass is obtained when these herbicides are applied in the fall.
			Roundup WeatherMAX	1.67-4.67 L/ha	12 hours	7	
			Touchdown Total	1.8-5.0 L/ha	12 hours	7	
Stale Seedbed Technique	22	Diquat	Reglone, Dessicash	2.3-4.6 L/ha	24 hours	-	Apply before crop emergence to foliage of emerged weeds. Read label for water volumes required per hectare.
	10	Glufosinate ammonium	Ignite® 15 Sn	2.7-5.0 L/ha	12 hours	-	
	22	Paraquat	Gramoxone®	2.7-5.5 L/ha	24 hours	-	

Stale Seedbed Technique	6	Bromoxynil	Pardner	1.0-1.2 L/ha in 200-300 L water/ha	24 hours	45	<i>Apply only to carrots grown on muck soils containing greater than 10% organic matter.</i> Apply 3-4 days prior to crop emergence by ground application only. One application per year. Do not irrigate carrots that have received a preemergence application of PARDNER for 2 days following application or within 3 days of crop emergence. PARDNER Herbicide is a contact herbicide thus good coverage of the weeds is essential.
Preplant Incorporated Treatments <i>Germinating annual grasses and some broadleaf weeds</i>	3	Trifluralin	Bonanza 480	1.7-2.3 L/ha	12 hours	-	Lightly incorporate, 8 to 10 cm depth within 8 to 24 hours of application or up to 3 weeks before planting (Treflan), following label instructions. Ragweed and mustards are not controlled. Some crop rotation restrictions exist. Mineral soils only. Use in conjunction with a post emergence herbicide.
			Treflan EC	1.7-2.3 L/ha	12 hours	-	
Preemergence Treatments <i>Annual Weeds</i>	7	Linuron	Afolan F	1.4-2.7 L/ha	-	-	Apply as a band or broad cast application after planting. Rain or irrigation is needed for good control. Additional postemergence treatments may be required. Should be applied soon after seeding. Use lower rate on sandy soils. Carrots are sensitive at time of emergence and heavy rains or irrigation following treatment may result in injury.
			Lorox DF	1.1-3.25 Kg/ha			
	5	Prometryn	Gesagard 480SC	3.75-4.58 L/ha	12 hours	85	
	3	Pendimethalin	Prowl H₂O	3.7 L/ha (mineral soil) 6.6 L/ha (muck soil)	24 hours	90	Apply within 2 days after planting and prior to the emergence of the crop and weeds. One application per year. Prowl H ₂ O will not control emerged weeds. Most effective when adequate rainfall or overhead irrigation is received within seven (7) days after application.

Preemergence Treatments <i>Annual Weeds</i>							Use a minimum of 200 L water per hectare. Do not apply in liquid fertilizers. Do not apply as a broadcast spray over top of carrots or crop injury may result. Do not apply to carrots grown for seed production.
	26	Pelargonic acid	Beloukha <i>NEW 2021</i>	12 – 20 L/ha	Until dry	1	Use the minimum effective rate for weed control. For harder-to-control weeds, higher rates or repeat applications may be required. During seedbed preparation, apply either before or after seeding but at least 3 days prior to crop emergence.
Pre-emergent (after planting, prior to carrot and weed emergence)	15	S-metolachlor	Dual II Magnum	1.2-1.5 L/ha	12 hours	30	Make only one application per year. Apply in 150 - 300L water/ha. Reduced levels of weed control may be observed when weed densities are high. Also controls nightshades. Apply when crop is 3-5 leaf stage and weeds are prior to 2-leaf. Control of American nightshade, fall panicum, eastern black nightshade, foxtail (green, yellow, giant), crabgrass (smooth, hairy), old witchgrass, and barnyard grass and suppression of redroot pigweed.
			Komodo				
Preemergence followed by Postemergence <i>Germinating annuals and emerged weeds</i>	7	Linuron	Afolan F followed by Afolan F	1.4-2.0 L/ha	-	-	These treatments must be at least 2 weeks apart. See pre-emergence and post emergence remarks above. If unusually heavy rains follow either application, sever injury may result.
			Lorox DF followed by Lorox DF	2.0-2.7 L/ha			
				1.1-2.25 Kg/ha			
				2.25-4.5 Kg/ha			

Preemergence followed by Postemergence <i>Germinating annuals and emerged weeds</i>	5	Prometryn followed by	Gesagard 480SC followed by:	3.75-4.58 L/ha	-	-	On organic soils, a combination procedure which has been successful is to use the pre-emergence prometryn treatment followed by a post emergence linuron treatment as required.
	7	Linuron	Lorox DF or/ Afolan F	1.1-3.25 Kg/ha 1.3-2.3 L/ha			
Postemergence Treatments <i>Annual broadleaf weeds Annual grasses</i>	1	Fenoxaprop-p-ethyl	Excel Super	0.67 L/ha	12 hours	38	Apply when annual grasses are actively growing in the 1 to 6 leaf stage.
	7	Linuron	Afolan F	2.0-5.0 L/ha		-	Apply after carrots are 8 to 15 cm high. Temporary yellowing of carrot leaves may occur.
			Lorox DF	2.25-4.5 Kg/ha		-	
15	S-metolachlor	Dual II Magnum or Komodo	1.2-1.5 L/ha	12 hours	30	Make only one application per year. Apply in 150 - 300L water/ha. Reduced levels of weed control may be observed when weed densities are high. Also controls nightshades. Apply when crop is 3-5 leaf stage and weeds are prior to 2-leaf. Control of American nightshade, fall panicum, eastern black nightshade, foxtail (green, yellow, giant), crabgrass (smooth, hairy), old witchgrass, and barnyard grass and suppression of redroot pigweed.	

Annual weeds including <i>Scentless chamomile</i>	5	Metribuzin	Sencor 75 DF	375 g/ha	12 hours	60 days	<p>To be used only on processing carrots previously treated with preemergent application of linuron Herbicide (1100 g ai/ha; please refer to respective product labels). Apply when the fourth leaf is partially expanded on most carrot plants, followed by a second application, if necessary, when the fifth leaf is partially expanded (about 6 days after first application). Carrot varieties differ in their tolerance to SENCOR 75 DF Herbicide: growers should limit first use to a limited area of each cultivar before adoption as a field practice. It may be necessary to delay harvest of more sensitive cultivars treated with SENCOR 75 DF. Do not apply on coarse soils with less than 2% organic matter. Avoid application when carrots are under stress.</p>
Annual broadleaf weeds less than 4 cm in height				190 g/ha			<p>EARLY POSTEMERGENCE APPLICATION: Do not tank-mix with liquid fertilizers, oils, oil concentrates, or surfactants when applying postemergence because severe crop injury may occur. Do not harvest within 60 days of post-emergence application unless otherwise indicated. Thorough spray coverage on weed foliage is essential for adequate control with post-emergent applications. To improve coverage the spay boom may be rotated forward by 45°. SENCOR 75 DF Herbicide may be applied when crop is wet with dew but weed control may be reduced if there is rainfall within 6 hours after application.</p>

<i>Quackgrass and annual grasses</i>	1	Fluazifop-p-butyl	Venture L	0.60-2.0 L/ha	12 hours	50	Apply when crop is 10 cm in height or less. Use the high rate for quackgrass control. Do not tank mix with other herbicides.
	1	Clethodim	Centurion + Amigo (adjuvant)	0.125-0.19 L/ha Quackgrass: 0.38 L/ha 0.5% v/v Quackgrass: 1.0% v/v	12 hours	30	<i>To be used only with the adjuvant AMIGO.</i> <i>Annual grasses:</i> Apply Centurion when the annual grasses and volunteer cereals are in the 2 to 6 leaf stage. Most effective control is achieved when application is made prior to tillering when grasses are small and actively growing. <i>Quackgrass:</i> Apply Centurion when the quackgrass is in the 2 to 6 leaf stage and 6 to 15 cm in height. Most effective results are achieved when application is made at the 3 to 5 leaf stage, when the canopy is uniform and actively growing. Apply a maximum of two applications per year. If repeat application is required, allow at least 14 days between first and second application. <i>* Refer to section "MINOR USES" in the label for additional use instructions.</i>
<i>Inter-row shielded</i>	26	Pelargonic acid	Beloukha NEW 2021	12 – 20 L/ha	Until dry	1	Use the minimum effective rate for weed control. For harder-to-control weeds, higher rates or repeat applications may be required. Use shielded / directed spray to avoid spraying desired vegetation

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INSECTS:							
Aphids	29	Flonicamid	Beleaf 50SG	0.12-0.16 kg/ha	12 hours	3	Thorough spray coverage of plant foliage is essential. Minimum of 94 L water/ha. Maximum 3 applications per season, allow 7 days between applications. Avoid overnight storage of spray mixtures, do not use liquid fertilizer as a carrier; do not use adjuvants.
	4	Thiamethoxam	Actara 25 WG	105 g/ha	12 hours	7	Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Max of 2 app/season. Application interval: 7 days. Apply in sufficient water volume to ensure adequate coverage. Do not use less than 100 L/ha.
	4C	Sulfoxaflor	Closer SC	50-150 ml/ha	12 hours	7	Maximum 2 applications/growing season. Do not apply during crop flowering period or when flowering weeds are present in treatment area. Minimum treatment interval = 7 days. Minimum 100 L/ha spray volume for ground application.
	4D	Flupyradifurone	BYI 02960 200SL <i>NEW 2021</i>	500 – 750 mL/ha	12 hours	7	Tops or greens from these crops may not be fed to livestock as feed or used for human consumption. Minimum interval between applications: 10 days. Minimum application volume: 100 L/ha. Maximum BYI 02960 200SL Insecticide allowed per crop season: 2000 mL/ha.
Aster Leafhopper	1A	Carbaryl	Sevin XLR	1.25-2.5 L/ha	12 hours	1	Apply when leafhoppers first appear and repeat when the Action Threshold is reached. Otherwise, apply at 7–10-day intervals until the end of Aug.

Aster Leafhopper							or 20 days before harvest for early carrots. Action Threshold: 5 leafhopper adults/25 sweeps.
	-	Kaolin	Surround WP	12.5-25 kg/ha	-	0	This is an OMRI listed control product and is suitable for organic production. Apply in 500 L of water. Apply at 7–14-day intervals once initial infestation is detected. Use high rate for early applications. Do not exceed 25 kg/ha per application.
	4	Thiamethoxam	Actara 25 WG	105 g/ha	12 hours	7	Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Max of 2 app/season. Application interval: 7 days. Apply in sufficient water volume to ensure adequate coverage. Do not use less than 100 L/ha.
	4D	Flupyradifurone	BYI 02960 200SL <i>NEW 2021</i>	500 – 750 mL/ha	12 hours	7	Tops or greens from these crops may not be fed to livestock as feed or used for human consumption. Minimum interval between applications: 10 days. Minimum application volume: 100 L/ha. Maximum BYI 02960 200SL Insecticide allowed per crop season: 2000 mL/ha.
Carrot Rust Fly (Adult)	3	Cypermethrin	Mako	175 ml/ha in 550 L of water	12 hours	35	Do not apply more than three times per season. Action Threshold: for fresh market carrots 0.1 flies/trap/day. For processing carrots, 0.2 flies/tray/day.
			UP-Cyde 2.5 EC	280 ml/ha in 550 L of water			
	3	Lambda-cyhalothrin	Matador 120 EC	83 ml/ha	24 hours	14	
			Labamba				
Warrior Silencer 120 EC			7				
Carrot Weevil	3	Lambda-cyhalothrin	Matador 120 EC	83 ml/ha	24 hours	14	Make first application at the 2-3 leaf stage when insects or damage appear. Timing of applications

Carrot Weevil			Labamba				should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring. Allow 7 days between applications. Do Not apply more than 3 times per year.
			Warrior			7	
			Silencer 120 EC				
	1B	Phosmet	Imidan 50 WP Instapak	2.25 Kg/ha	5 days	40	Do not apply more than twice/year. Consult acceptable residue limits for use on carrots that will be shipped to the USA either as fresh or processed. Action Threshold: 1.5 - 5.0 weevils/trap, (cumulative value) spray at two leaf stage.
15	Novaluron	Rimon 10 EC	410-820 mL/ha	12 hours	3	<i>Reduces damage.</i> Apply at the listed rates when insect populations reach locally determined economic thresholds. Use the higher application rate when pest pressure is high. Apply in sufficient water volume to ensure thorough coverage. Recommended water volume is 500 litres of water per hectare. Apply at 7-day intervals. Maximum 3 applications.	
28	Cyantraniliprole	Exirel	1000-1500 ml/ha	12 hours	1	Begin applications at the 2-3 leaf stage or when scouting indicates the presence of weevils. Consult local agricultural authorities to determine appropriate threshold levels for carrot weevil in your area. Do not make more than 4 applications per season. Do not apply more than once every 7 days.	
Cutworms and Armyworms	1B	Chlorpyrifos FINAL SALE 2022, FINAL USAGE 2023	Lorsban 50 WP	2.25-4.5 Kg/ha	24 hours	60	Apply when cutworms are noticed. One application per season. Soil treatment: Apply once per season before planting or transplanting. May also be applied to a 15 m strip adjacent to fence rows. Use the low rate except under conditions of low soil moisture. Use the high rate if the top 1 cm of soil is dry.
			Pyrinex 480 EC	2.4-4.8 L/ha			
			Warhawk 480 EC				

Cutworms and Armyworms							When preplant soil applications are being made to muck soil, do not incorporate. Incorporation on mineral soils should be no deeper than 5 cm. Seedling treatment: Apply as a broadcast spray at the 2- to 5-leaf stage. Use the low rate except under conditions of low soil moisture. Use the high rate if the top 1 cm of soil is dry.
	3	Cypermethrin	Ripcord 400 EC	175 ml/ha	12 hours	21	Do not apply more than three times per season.
			Up-Cyde 2.5 EC	285 ml/ha		35	
	3	Permethrin	Pounce 384 EC	180-390 ml/ha	12 hours	-	Apply up to 5 leaves. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. Will only control surface feeding and climbing stages.
Diamondback Moth, Cabbage Looper, Imported Cabbageworm Flea beetle	5	Spinetoram	Delegate WG	140-200 g/ha	12 hours	3	Time application with peak egg hatch or small larvae. Repeat applications based on population monitoring. Use higher rate for higher infestations or advanced growth stages. Maximum of 3 applications per year with a minimum re-treatment interval of 5 days. *For the suppression of flea beetles apply 200 grams of product per hectare. Apply when pests appear.
	1A	Carbaryl	Sevin XLR	1.25-5.25 L/ha	12 hours	1	Apply when insects or damage appear.

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DISEASES:							
Cavity Spot	4	Metalaxyl-M and S-isomer	Ridomil Gold 1G	25 Kg/ha	12 hours	-	Apply in the seed furrow at the time of planting. Make only one application per year. Refer to the label for further information.
	11	Fenamidone	Reason 500SC	600 ml/ha	48 hours	14	Make the first application within 7 days after planting. Apply in spray volume of 300-750 L/ha and direct spray to the base of the plant. Repeat applications should be at 7-day intervals. Max 2 applications per season.
	BM02	<i>Trichoderma harzianum</i> Rifai strain T22	Trianum P	In furrows: 1.5 kg/ha in 50-200 L of water In beds: 2.5 kg/ha in 50-200 L of water	-	-	Biological fungicide. Suppression only. Cavity spot (<i>Pythium violae</i>). Starting drench application immediately after sowing seeds or transplanting, repeat every 10 weeks.
	BM02	<i>Trichoderma harzianum</i> Rifai strain T22	Trianum G	In furrow: 15 kg/ha In beds: 25 kg/ha	-	-	Biological fungicide. Suppression only. Use a suitable granular applicator.
Cavity Spot, Root Dieback/Forking (<i>Pythium spp.</i>)	21	Cyazofamid	Torrent 400SC	0.44 L/ha	12 hours	30	Suppression only. Maximum of one application per season. Apply as either a post-plant, pre-emergent application within 3 days after planting or as a soil-directed spray 14 days after planting. Either application should be incorporated into the soil with 1.25-2.5 cm of water. See label for banding instructions. Do not apply in dead calm or when winds are gusty. Do not apply with spray

Cavity Spot, Root Dieback/Forking (<i>Pythium spp.</i>)							droplets smaller than the ASAE medium classification.
Aster Yellows Disease							* See Aster Leafhopper in insect section.
Leaf Spots and Cercospora	7 & 11	Pyraclostrobin + Fluxapyroxad	Merivon <i>NEW 2021</i>	0.3 L/ha	12 hours	7	Begin applications prior to onset of disease development. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.
	11	Pyraclostrobin	Cabrio EG	560-840 g/ha	12 hours	3	Begin applications prior to disease development at 7–14-day intervals. Maximum of 2 sequential applications. Maximum total of 3 Cabrio and 5 Cantus applications per season. <i>*See label for control of Alternaria.</i>
	M5	Chlorothalonil	Bravo ZN	2.4-3.2 L/ha	12 hours 22 days (hand harvesting)	2	Apply at 7-to-10-day intervals beginning when disease is observed. Do not grow carrots successively in the same field.
			Echo 720	1.7-2.2 L/ha	48 hours	1	
	M3	Mancozeb	Dithane DG Rainshield NT	2.25 Kg/ha	24 hours	7	
	M		Penncozeb 75DF	2.25 Kg/ha	24 hours	7	
	M		Manzate Pro-Stick	2.25 Kg/ha	24 hours	7	
	11	Trifloxystrobin	Flint	140-210 g/ha	12 hours	7	

Alternaria	9-12	Cyprodinil & fludioxonil	Switch 62.5 WG	775-975 g/ha	12 hours	7	Maximum 3 applications per year. Allow 7-10 days between applications.
	7 & 3	Pydiflumetofen + Difenoconazole	A20259 Fungicide <i>NEW 2021</i>	1.0 L/ha	12 hours	7	Apply on a 7 - 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.
	7 & 11	Pyraclostrobin + Fluxapyroxad	Merivon <i>NEW 2021</i>	0.3-0.4 L/ha	12 hours	7	Begin applications prior to onset of disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.
	7	Boscalid	Cantus WDG	315 g/ha	12 hours	0	Maximum of 2 sequential applications. Maximum total of 3 Cabrio and 5 Cantus applications per season.
	11	Pyraclostrobin	Cabrio EG	0.56-1.1 Kg/ha	12 hours	3	
	7	Penthiopyrad	Fontelis	1.25-2.25 L/ha	4 hours	0	Begin applications prior to disease development, continue on a 7–14-day interval. Use higher rate and shorter interval when disease pressure is high. Max seasonal rate is 4.5 L/ha. Do not make more than 2 sequential applications before switching to another mode of action.
	11	Trifloxystrobin	Flint	140-210 g/ha	12 hours	7	Begin applications preventatively and continue as needed on a 14-day interval. Use the higher rate and shorter spray interval when disease pressure is severe. Use sufficient water to obtain thorough coverage. DO NOT apply more than 840 g of FLINT Fungicide per hectare per season.
	M5	Chlorothalonil	Echo 90DF	1.3-1.8 kg/ha	48 hours	1	Apply in sufficient water to obtain adequate coverage. Start applications when disease threatens and repeat at 7 - 10-day intervals or as necessary to maintain control. DO NOT use more than 7 applications per season.
	M5	Chlorothalonil	Echo 90DF	1.3-1.8 kg/ha	(22days-hand harvesting, 7 days-scouting)	1	

Alternaria			Echo 720	1.7-2.2 L/ha	48 hours (22 days hand harvesting, 7 days scouting)	1	Start applications when disease threatens and repeat at 7 - 10-day intervals or as necessary to maintain control.
			Bravo ZN	2.4-3.2 L/ha	12 hours (22 days-hand harvesting)	2	Apply at 7-to-10-day intervals beginning when disease is observed.
	BM02	<i>Bacillus amyloliquefaciens</i> strain MBI 600	Serifel NEW 2021	0.25 – 0.5 kg/ha	4 hours	0	Partial suppression. Begin applications shortly after emergence but prior to disease development and continue on 7- to 10-day intervals if conditions are favourable for disease development. Use the highest rate and the shortest interval when conditions favour high disease pressure.
Rhizoctonia Root Rot, Crown Rot and Stem Canker	11	Azoxystrobin	Quadris	4-6ml of product/100m row in 50-100L water/ha	12 hours	40	Apply either in-furrow at seeding or as a banded application over the row soon after emergence or within 30 days of emergence. Maximum 1 application per year.
			Azoshy 250 EC		12 hours		
White mould (<i>Sclerotinia sclerotiorum</i>)	-	<i>Bacillus subtilis</i>	Serenade Opti	1.1-2.2 Kg/ha	-	0	Serenade Opti is a biopesticide that will only suppress the indicated diseases. Begin application soon after emergence and when conditions are conducive to disease development. Repeat as necessary on a 7–10-day interval.
	7 & 3	Pydiflumetofen + Difenoconazole	A20259 Fungicide NEW 2021	1.0 L/ha	12 hours	7	Suppression. Apply on a 7 - 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.
	12	Fludioxonil	Scholar 230 SC	496 ml / 378 L of water	-	-	Apply as a post-harvest dip or drench immediately before storage. Dip for approximately 30 seconds and allow carrots to drain. Maximum one

White mould (<i>Sclerotinia sclerotiorum</i>)				Treats up to 90,000 kg of carrots			application per year. Ensure Scholar solution remains in suspension by using agitation. Do not store carrots in direct sunlight. MRL restrictions may apply to carrots sold outside of Canada.
Gray Mold	7	Penthiopyrad	Fontelis	1.0-1.75 L/ha	12 hours	0	Begin applications prior to disease development, continue on a 7–14-day interval. Use higher rate and shorter interval when disease pressure is high. Max seasonal rate is 4.5 L/ha. Do not make more than 2 sequential applications before switching to another mode of action.
Powdery Mildew	7 & 11	Pyraclostrobin + Fluxapyroxad	Merivon <i>NEW 2021</i>	0.3-0.4 L/ha	12 hours	7	Begin applications prior to onset of disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.
Powdery Mildew	7	Penthiopyrad	Fontelis	1.0-1.75 L/ha	12 hours	0	Suppression only. Begin applications prior to disease development, continue on a 7–14-day interval. Use higher rate and shorter interval when disease pressure is high. Max seasonal rate is 4.5 L/ha. Do not make more than 2 sequential applications before switching to another mode of action.
Powdery Mildew	BM02	<i>Bacillus amyloliquefaciens</i> strain MBI 600	Serifel <i>NEW 2021</i>	0.5 kg/ha	4 hours	0	Partial suppression. Begin applications prior to infection and continue on 5- to 7-day intervals if conditions are favourable for disease development.

Use the following web link to search for any pesticide label mentioned in this guide, or any other pesticide registered in Canada:

<http://pr-rp.hc-sc.gc.ca/ls-re/index-eng.php>

PESTICIDE EMERGENCY CONTACT INFORMATION

Poison Control Centres		
Nova Scotia	800.565.8161 or 902.428.8161	IWK, Halifax, NS
New Brunswick	911	Ask for Poison Information
Prince Edward Island	800.565.8161 or 902.428.8161	IWK, Halifax, NS
Newfoundland	709.722.1110	Dr. Charles A. Janeway Child Health Care Centre, St. John's, NF

Environmental Emergencies (Pesticide Spills)	
Transport Canada Regional Operations Centre (24 hours)	
Nova Scotia	800.565.1633
New Brunswick	800.565.1633
Prince Edward Island	800.565.1633
Newfoundland	800.563.9089

ABBREVIATIONS & CONVERSIONS

Formulation and Measurement Abbreviations			
FORMULATIONS		MEASUREMENTS	
DF	Dry flowable	mL	millilitre
EC, E	Emulsifiable concentrate	kPa	kilopascal
L	Liquid	kg	kilogram
Sn / Su	Suspension	g	gram
WP/W	Wettable powder	L	litre
		BIU	Billions of International Units
		ppm	parts per million (1000 ppb)
		ppb	parts per billion (1/1000 ppm)

Helpful Conversions¹	
kPa X 0.14 = pounds per square inch (psi)	millilitres X 0.035 = fluid ounces
hectares X 2.47 = acres	litres X 35 = fluid ounces
kilograms X 2.2 = pounds	litres X 0.22 = imperial gallons
kilograms per hectare X 0.89 = pounds per acre	litres per hectare X 14.17 = fluid ounces per acre
kilograms per hectare X 0.40 = kilograms per acre	litres per hectare X 0.40 = litres per acre
	degree-days C X 1.8 = degree-days F

¹ Pesticide Units of Measurement

It is not recommended to convert label rates to imperial units because there is a high probability of mathematical and rounding errors. Present day pesticides are formulated to be more effective in smaller amounts. Therefore, even small conversion errors can lead to the use of incorrect rates (either too high or too low). Use metric – you will be glad you did!