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Leaching Potential (LP) Rankings for Herbicide Products Listed in the Alberta Crop Protection 2000 Handbook¹

Herbicides are listed by Trade Name. Refer to the Alberta Crop Protection 2000 Handbook¹ for active ingredients in each product. The LP rankings are relative to each other and are based on a 1 to 9 scale with 1 indicating the least potential to leach and 9 indicating the greatest potential to leach. Actual leaching rates depend on several factors including application rate, soil organic matter content, and the intensity and timing of moisture events after application.

Trade Name	LP Ranking
Aatrex (Liquid/Nine-0/480)	4
Accent	n/a ²
Accord	4
Achieve 80DG	4
Achieve Extra Gold	4
Advance 10G	1
Afolan F	2
Ally	9
Amber	7
Amitrole 240	8
Amsol	7
Anthem	5
Arsenal	8
Assert 300	8
Assure II	5
Atrazine	4
Attain	7
Avadex BW	1
Avenge 200-C	6
Banvel/Banvel II	7
Basagran	8
Betamix	6
Betanex	4
Bladex Liquid/Bladex 90DF	7
Bonanza 10G	1
Bonanza 400	1
Breaker	5
Buctril M	4
Caliber 400	4
Calmix Pellets	7
Casoron	1
Champion Extra	3
Champion Plus	5
Clovitox Plus	3

Cobutox 600	4
Compitox	5
Credit	5
Crossfire	6
Curtail M	5
Dichlorprop-D	5
Diphenoprop BK700	5
Dual	3
DyCleer	7
DyVel	5
DyVel DS	7
2,4-D	7
2,4-DB	4
Edge	1
Embutox 625	4
Eptam	1
EPTC	1
Eradicane 8-E	1
Escort	9
Estaprop	5
Estasol	7
Estemine 2,4-D	7
Estemine MCPA	5
Esteron 600	7
Express Pack	8
FlaxMax Ultra	6
Fortress	1
Freedom Gold	6
Fusion	2
Garlon 4	5
Glyfos	5
Gramoxone	5
Gramoxone PDQ	6
Harmony Total	4
Herbicide 273	9
Heritage 5G	1
Hoe-Grass II	4
Hoe-Grass 284	5
Horizon	3
Hybor-D	7
Hyvar (X/X-L)	6
Interprop	5
IPCO Granular Soil Sterilant	9
Karmex DF	4
Kerb 50W	3
Krenite	8
Krovar 1	5
Laddok	6
Laser DF	5
Liberty	8
Linuron 480	2
Lontrel	6
Lorox	2
Mataven L	3

MCPA (amine/ester/K, Na-salts, SEE)	5
Mecoprop	5
MicroActiv	1
Muster	9
Muster Gold/Muster Gold II	6
No-Weed 2,4-D	7
Nortron	4
Odyssey	6
Pardner	3
Patoran	4
Pea Pack	6
Poast Ultra	7
Premium Weed & Pave Solution	6
Prestige	6
Prevail	5
Primextra Light	3
Princep Nine-T	4
Prism	n/a ²
Puma One Pass	4
Puma Super/Puma ¹²⁰ Super	3
Pursuit	6
Pyramin	6
Refine Extra	9
Reglone / Reglone Pro / Reglone A	8
Renegade	5
Rival	1
Ro-Neet	1
Roundup Dry	5
Roundup Fast Forward	5
Roundup Original	5
Roundup Transorb	5
Rustler	6
SEE 2,4-DB	4
SEE Diphenoprop	6
Select	1
Sencor	6
Simazine 80W/Simazine 480	4
Stampede EDF	3
Sundance	n/a ²
Sutan+	1
Target	5
Telar	9
Thumper	5
Tordon 22K	6
Tordon 101 Mixture	7
Touchdown 480/XP	5
Transline	6
Treflan	1
Triumph Plus	5
Tropotox Plus	3
Turboprop 600	5
Unity	3
Vantage/Vantage Plus	5

Velpar L	8
Velpar DF	8
Venture 25 DG	2
Victor	5
Weedone CB	6

¹ Alberta Agriculture, Food and Rural Development. Crop Protection 2000. Edited by Shafeek Ali. Agdex Publ. No. 606-1. Edmonton, AB. <http://www.agric.gov.ab.ca/agdex/000/pp606-1tc.html>

² parameters not available

Reference:

Hill, B.D., J.J. Miller, K.N. Harker, S.D. Byers, D.J. Inaba and C. Zhang. 2000. Estimating the relative leaching potential of herbicides in Alberta soils. *Water Qual. Res. J. Canada* 35(4): 693-710.

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