

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2010-3041
Application: New maximum residue limit (MRL) for a previously assessed technical grade active ingredient.
Product: Fluazifop-P-butyl Technical
Registration Number: 21208
Active ingredients (a.i.): Fluazifop-P-butyl
PMRA Document Number: 2202839

Purpose of Application

The purpose of this application was to establish new maximum residue limits (MRLs) to cover residues of fluazifop-P-butyl in imported crops.

Chemistry, Environment and Value Assessment

Chemistry, environment and value assessments were not required for this application.

Health Assessments

To support the establishment of MRLs for imported commodities, residue data generated from field trials conducted in the United States were reviewed for carrots, cotton, macadamia nuts, bulb onion, peanuts, pecans, sweet potato, asparagus, coffee bean, tabasco pepper and rhubarb. In addition, a processing study in treated cottonseed was reviewed to determine the potential for concentration of residues of fluazifop-P-butyl into processed commodities.

MRL Recommendations

Based on the residue data, maximum residue limits (MRLs) to cover residues of fluazifop-P-butyl in/on imported crops and processed commodity will be established as shown in Table 1. Residues of fluazifop-P-butyl in processed commodities not listed in Table 1 are covered under established MRLs for the raw agricultural commodities (RACs).

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI ³ (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL ¹	Recommended MRL ² (ppm)
			Min	Max			
Carrot	broadcast/ 840	31-36	0.07	1.0	--	none	2.0
Cottonseed	broadcast/ 840	88-97	<0.04	0.08	--	none	0.1
Cotton oil	broadcast/ 840	88-97	<0.04	0.08	1.6	none	0.2
Macadamia nuts	broadcast / 840	1	<0.1	<0.1	--	none	0.1
Bulb onion	broadcast/ 840	39-46	0.02	0.18	--	none	0.5
Peanut	broadcast/ 840	38-40	0.12	1.0	--	none	1.5
Pecan	broadcast/ 1260	30-34	<0.03	<0.03	--	none	0.05
Sweet potato	broadcast/ 1120	55-62	<0.05	0.17	--	none	0.5
Asparagus	broadcast/ 840 (except CA ⁴)	1	0.2	2.7	--	none	3.0
	broadcast/ 420 (CA)	1	0.3	2.7	--		
Coffee bean	broadcast/ 840	1	<0.1	<0.1	--	none	0.1
Tabasco pepper	broadcast/ 840	45	0.33	0.84	--	none	1.0 (non-bell pepper)
Rhubarb	broadcast/896	14	0.51	0.51	--	none	0.5

¹MRL(s) currently established in Health Canada's List of MRLs regulated under PCPA.

²MRL(s) to be established as a result of the current submission

³PHI = Preharvest interval

⁴CA = California

Conclusions

Following the review of all available data, MRLs of 2.0 ppm for imported carrots, 0.1 ppm for imported cottonseeds, 0.2 ppm for imported cotton oil, 0.1 ppm for imported macadamia nuts, 0.5 ppm for imported dry bulb onions, 1.5 ppm for imported peanuts, 0.05 ppm for imported pecans, 0.5 ppm for imported sweet potato, 3.0 ppm for imported asparagus, 0.1 ppm for imported coffee beans, 1.0 ppm for imported non-bell pepper and 0.5 ppm for imported rhubarb are recommended. Residues of fluzifop-P-butyl in imported crops at the recommended MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

- 1041167 2003, Fluazifop-P-butyl: Stability of Residues of Various Crops and Processed Fractions Stored up to 18 Months in Deep Freeze. Report RJ3087B; Report PPS/1291. DACO: 7.3
- 1072090 1990, Residue Data Report. Phase 3 Summary of M8941B and M4843B. Fluazifop-butyl: Storage Stability of Residue in Deep Frozen Crop Samples. DACO: 7.3
- 1778190 1992, Determination of Total Fluazifop in Crops by Gas Chromatography. DACO: 7.2.1
- 1930009 1987, The Determination of Residues of Fluazifop-Butyl, Fluazifop and its Conjugates in Crops - Application for New Import MRLs. DACO: 7.2.1
- 1930012 1983, The Determination of Residues of Total Fluazifop (Fluazifop-butyl, Fluazifop and Conjugate Esters in Crops - an Internal Standard Procedure - Application for New Import MRLs. DACO: 7.2.1
- 1930014 1984, The Detection of Residues of Total Fluazifop (Fluazifop-Butyl, Fluazifop and Conjugate Esters) In Crops - A Nuclear Magnetic Resonance Spectroscopic Method - Application for New Import MRLs. DACO: 7.2.1
- 1930021 1987, Fluazifop - Magnitude of Residue on Asparagus - Application for New Import MRLs. DACO: 7.2.1,7.4.1
- 1930023 1992, Fusliade: Residues of Fluazifop and Fluazifop-P-butyl on Fresh Asparagus Spears and on Boiled, Steamed, and Microwaved Spears - Application for New Import MRLs. DACO: 7.2.1,7.4.1,7.8
- 1930024 1996, Fluazifop-P-butyl: Residue Levels on Asparagus from Trials Conducted in California During 1995-1997 (Interim Report) - Application for New Import MRLs. DACO: 7.4.1
- 1930026 1982, Fluazifop Residues in Carrots - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930027 1983, Fluazifop Residues in Carrots - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930029 1983, Fluazifop Residues in Carrots - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930030 1987, Fluazifop-P-Butyl- Residues of Fluazifop in Carrots - Application for New Import MRLs. DACO: 7.4.1
- 1930034 1984, Petition Proposing a Tolerance For Fluazifop-Butyl for Use in Sweet Potato Production - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930035 1984, Fluazifop Residues in Bulb Onions - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930036 1985, Fluazifop-P-Butyl Fluazifop-Butyl- A Comparison of the Level of Residues Found in Onions From Trials Conducted During 1983 and 1984 - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930037 1987, Fluazifop-P-Butyl- Residues in Onions from Trials Carried in the U.S.A. During 1986 - Application for New Import MRLs. DACO: 7.4.1

- 1930042 1987, Fluazifop-P-Butyl: Fluazifop Residues in Pecans (1985) - Application for New Import MRLs. DACO: 7.4.1
- 1930044 1989, Fluazifop - Magnitude of Residue on Macadamia Nut - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930047 1984, Fluazifop Residues in Cotton - Application for New Import MRLs. DACO: 7.4.1
- 1930048 1984, Fluazifop Residues in Cotton - Application for New Import MRLs. DACO: 7.4.1
- 1930050 1982, Commercial Processing Study on Soyabean and Cotton Residue Data, Report PP009B152 - Application for New Import MRLs. DACO: 7.2.1, 7.4.1, 7.4.5
- 1930051 1987, Fluazifop - Magnitude of Residue on Rhubarb - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930052 1990, Phase 3 Summary of MRID 15719193 2617894 Fluazifop-Magnitude of the Residue on Tabasco Pepper - Application for New Import MRLs. DACO: 7.4.1
- 1930053 1988, Fluazifop - Magnitude of Residue on Coffee - Application for New Import MRLs. DACO: 7.2.1, 7.4.1
- 1930059 2001, Fluazifop-P-Butyl Residue Levels on Peanuts from Trials Conducted in the United States During 2000 Final Report Application for New Import MRLs. DACO: 7.2.1, 7.4.1

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