



## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2009-2081  
**Application:** New MRLs on Previously Assessed Active Ingredient  
**Product:** Sencor Technical Metribuzin  
**Registration Number:** 20537  
**Active ingredients (a.i.):** Metribuzin  
**PMRA Document Number :** 2218163

### Purpose of Application

The purpose of this application was to recommend MRLs in/on asparagus, carrot, field corn, sweet corn kernels plus cob with husks removed, lentils, dry field peas, succulent shelled peas, dry soybean, potatoes, sugarcane and sugarcane molasses, and tomatoes to cover residues of metribuzin.

### Health Assessments

Residue data in a variety of crops were assessed in support of the establishment or revision of maximum residue limits (MRLs) for metribuzin in/on various crops commodities. Following the review of all available data, MRLs for metribuzin in/on asparagus, carrot, field corn, sweet corn kernels plus cob with husks removed, lentils, dry field peas, succulent shelled peas, dry soybean, potatoes, sugarcane and sugarcane molasses, and tomatoes are being recommended.

Based on the maximum residues observed in commodities treated with metribuzin according to the US label directions, the MRLs to cover residues of metribuzin in/on asparagus, carrot, field corn, sweet corn kernels plus cob with husks removed, lentils, dry field peas, succulent shelled peas, dry soybean, potatoes, sugarcane and sugarcane molasses, and tomatoes will be proposed as shown in Table 1. Residues of metribuzin in these crop commodities are not expected to pose an unacceptable dietary risk to any segment of the population, including infants, children, adults and seniors.

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Asparagus	Preemergence and postemergence/ up to 3360	13-54	<0.04	<0.08	n/a	none	0.1

Carrot	5-6 leaf/ Up to 3700	45-62	<0.074	0.246	n/a	none	0.3
Field corn, sweet corn kernel plus cob with husks removed	Preplant, preemergence or postemergence/ Up to 775	35-175	<0.04	<0.05	<1 (Meal, flour, starch, oil)	none	0.05
Lentils	Preplant, or preemergence or postemergence/ 550	73-78	<0.02	<0.04	n/a	none	0.05
Dry field peas	Preplant, or preemergence or postemergence/ 560	43-48	<0.04	<0.04	n/a	none	0.05
Succulent shelled peas	Preplant, or preemergence or postemergence/ up to 560	21-80	<0.04	0.07	n/a	none	0.1
Potatoes	Preemergence and postemergence	48- 140	0.02	0.477	<1 (French fries)	0.5	0.6
Dry soybean	Preplant or preemergence or postemergence/ Up to 2380	43-137	<0.02	<0.20	<1 (Meal, oil)	none	0.3
Tomatoes	Preplant or postemergence/ Up to 1680	7-28	<0.07	<0.09	<1 (Pomace, puree, juice)	none	0.1
Sugarcane	Postemergence/ 5.0-14.1 kg a.i./ha	58-444	<0.04	<0.05	Experimental factor of 4.6/Theoretical factor of 20 (Molasses)	none	0.1 (2.0, sugarcane molasses)

## Conclusion

Following the review of all available data, the following MRLs are recommended to cover residues of metribuzin in/on asparagus (0.1 ppm), carrot (0.3 ppm), field corn (0.05 ppm), sweet corn kernel plus cob with husks removed (0.05 ppm), lentils (0.05 ppm), dry field peas (0.05 ppm), succulent shelled peas (0.1 ppm), potatoes (0.6 ppm), dry soybean (0.3 ppm), tomatoes (0.1 ppm), sugarcane (0.1 ppm) and sugarcane molasses (2.0 ppm).

## References

PMRA Document Number	Reference

1770147	1994, Review of the storage stability data on metribuzin and its metabolites in crops and processed products, DACO: 7.3
1770155	2007, Metribuzin: Magnitude of the residue on pea (succulent, shelled), DACO: 7.3,7.4.1
1770162	1991, Metribuzin - Magnitude of the residue on field corn, DACO: 7.4.1
1770166	1988, Sencor - Magnitude of residue on asparagus, DACO: 7.4.1
1770167	1992, Metribuzin (75DF)- Magnitude of the residue on field corn, DACO: 7.4.1
1770168	1992, Metribuzin (75DF)- Magnitude of the residue on field corn, DACO: 7.4.1
1770169	Metribuzin Carrot-US residue trials+IR-4 petition, DACO: 7.4.1
1770175	1999, SENCOR 75 DF - magnitude of the residue in potato, DACO: 7.4.1,7.4.2
1770182	2001, Sencor 75 DF - Magnitude of the residue in corn, DACO: 7.4.1,7.4.2
1770184	1998, Sencor 75DF - Magnitude of the residues in Sugarcane processed products, DACO: 7.4.1,7.4.5
1770187	1975, Sencor - Magnitude of residues on wheat and wheat processing products, DACO: 7.4.1,7.4.5
1770188	1999, SENCOR 75DF - magnitude of the residue in wheat aspirated grain fractions and wheat processed commodities., DACO: 7.4.1,7.4.5
1770189	1995, Sencor 75DF - Magnitude of the residue on tomato processed products, DACO: 7.4.1,7.4.5
1770191	1987, Sencor - Magnitude of residues on soybeans, DACO: 7.4.1,7.4.6
1770195	1999, SENCOR 75 DF - magnitude of the residue in sweet and field corn, DACO: 7.4.1,7.4.2,7.4.6
1770208	1994, Metribuzin (75DF) - Magnitude of the residue on processed corn commodities, DACO: 7.4.5
1844142	1972, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844143	1972, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844145	1972, DIC 1468; 70 WP; sugarcane; USA, DACO: 7.4.1
1844146	1972, DIC 1468; 70 WP; sugarcane; USA, DACO: 7.4.1
1844147	1973, DIC 1468; 70 WP; sugarcane; USA, DACO: 7.4.1
1844148	1973, DIC 1468; 70 WP; sugarcane; USA, DACO: 7.4.1
1844149	1973, DIC 1468; 70 WP; sugarcane; USA, DACO: 7.4.1
1844151	1976, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844154	1976, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844156	1976, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844158	1975, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1
1844160	1976, DIC 1468; 50 WP; sugarcane; USA, DACO: 7.4.1

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