

## Evaluation Report for Category B, Subcategory 3.4, 3.5, 3.12 Application

**Application Number:** 2018-4778  
**Application:** Changes to product label; new site and application method and rotational crops/plantback interval  
**Product:** Miravis Neo Fungicide  
**Registration Number:** 33022  
**Active ingredients (a.i.):** Pydiflumetofen, Azoxystrobin and Propiconazole  
**PMRA Document Number:** 3094492

### Purpose of Application

The purpose of this application was to add use of Miravis Neo Fungicide on edible podded legume vegetables (Crop Subgroup CSC 6A), succulent shelled peas and beans (CSC 6B), blueberries and oats.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicological assessment was not required for this application.

The occupational exposure and risk from the additional uses on edible podded legume vegetables (CSG 6A), succulent shelled peas and beans (CSG 6B), blueberries and oats to the Miravis Neo Fungicide label was assessed. No risks of concern are expected from the new uses, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data from field trials conducted in Canada and the United States were submitted to support the domestic use of Miravis Neo Fungicide on edible-podded legume vegetables (CSG 6A), succulent shelled pea and bean (CSG 6B) and bushberries (CSG 13-07B). Pydiflumetofen was applied to edible-podded legume vegetables, succulent shelled pea and bean and blueberries at exaggerated rates, and harvested according to label directions. Previously reviewed residue data from field trials conducted in/on oats were also reassessed in the framework of this petition.

### Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for pydiflumetofen was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of pydiflumetofen in/on crops are proposed as shown in Table 1. The existing MRL of 3 ppm for oats will cover the anticipated residues of pydiflumetofen following the approved maximum rates on the Miravis Neo Fungicide label.

**Table 1**      **Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)**

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT		
Edible podded bean	Foliar broadcast/ 398-429	13-14	0.011	0.430	None	1.0 (CSG 6A)
Edible podded pea	Foliar broadcast/ 402-413	13-14	0.011	0.638		
Succulent shelled bean	Foliar broadcast/ 394-413	14-15	<0.010	0.065		0.1 (CSG 6B)
Succulent shelled pea	Foliar broadcast/ 396-418	13-28	<0.010	0.018		
Highbush blueberry	Foliar broadcast/ 297-320	0	0.405	3.550		5.0 (CSG 13-07B)

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of pydiflumetofen. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### Environmental Assessment

Application rates were within current registered rates for similar products. No increase in environmental exposure is expected from the use of this product. Therefore, additional environmental data were not required to support the use of Miravis Neo Fungicide on Edible-Podded Legume Vegetables, Succulent Shelled Pea and Bean, Bushberries and oats. Environmental concerns are mitigated by label statements for this product; therefore, the risk from the environmental viewpoint are acceptable when label directions are followed.

### Value Assessment

Results of field trials, scientific rationales, extrapolations from registered labels as well as laboratory quantifications of mycotoxin levels were submitted to support amendments to the Miravis Neo Fungicide label. Claims against powdery mildew and Asian soybean rust on edible-

podded legume vegetables (Crop Subgroup 6A) and succulent shelled peas and beans (Crop subgroup 6B); rust, septoria leaf spot, valdensinia leaf spot and mummy berry and monilinia blight on some bushberries; septoria leaf blotch on oats; anthracnose leaf blight on corn as well a claim to reduce mycotoxin levels on corn caused by fusarium and gibberella ear rots were supported by value information.

The fungal diseases controlled or suppressed by Miravis Neo Fungicide reduce crop yields and may result in contamination of harvests with fungal toxins. Registration of claims against these diseases on the Miravis Neo Fungicide label will provide growers of these crops with an additional tool to manage these diseases and delay the development of fungicide resistance in pathogen populations.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label of Miravis Neo Fungicide to include use on edible podded legume vegetables, succulent shelled peas and beans, blueberries and oats.

## References

### PMRA

#### Document

Number	Reference
2922376	2018, Pydiflumetofen SC (A19649B) - Magnitude of the Residues in or on Representative Raw Agricultural Commodities of the Edible-Podded Legume Vegetables Crop Subgroup (6A) and the Succulent Shelled Pea and Bean Crop Subgroup (6B) USA 2016, DACO: 7.4.1
2922381	2018, Pydiflumetofen SC (A19649B) Magnitude of the Residues in or on Edible-Podded Legume Vegetables Crop Subgroup (6A) and the Succulent Shelled Pea and Bean Crop Subgroup (6B) Canada 2016, DACO: 7.4.1
2922640	2017, Pydiflumetofen (FTH 545): Magnitude of the Residue on Blueberry, DACO: 7.4.1
2922641	2018, SYN545974 SC (A19649B) & Fludioxonil/SYN545974 SC (A20560C) - Magnitude of the Residues in or on Blueberry Canada 2015 and 2016 - Final Report, DACO: 7.4.1
2922642	2018, SYN545974 SC (A19649B) Magnitude of the Residues in or on Highbush Blueberry Canada 2016, DACO: 7.4.1
2571325	2015, A21461 - Adepidyn (SYN545974), Azoxystrobin and Propiconazole, 300 g/L - Document M-III, Section 7 - Efficacy Data and Information - Canada, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3,10.3.1,10.3.2,12.7
2922201	2018, Miravis Neo Fungicide - DACO 10.1 Value Summary, DACO: 10.1

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