



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE

FERTILIZER AND PESTICIDE AUTHORITY



THE PHILIPPINE MRLs (MAXIMUM RESIDUE LIMITS) FOR OKRA

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MESSAGE



Consumer safety and protection are the primordial concerns of the Department of Agriculture to promote the exports and acceptability of Philippine vegetables in the international market.

This could be achieved through the establishment and enforcement of Maximum Residue Limits (MRLs) for pesticide in agricultural crops. Our role in ensuring the quality and safety of our asparagus could only be realized if our advocacy for Good Agricultural Practice (GAP) will be strictly implemented by our farmers and exporters. The control and proper use of pesticide should be intensified to address the issue of excessive pesticide residues to ensure the acceptability of our asparagus both in the local and foreign markets.

This established MRL for asparagus will serve as a starting point for government and all concerned stakeholders to be fully aware of the importance of adhering to and complying with the international standards requirements to promote the competitiveness of our asparagus and ensure the protection of the general public.

Mabuhay!


ATTY. ARTHUR C. YAP
Secretary *akc*



FOREWORD



The policy of the state calls for the protection of the consumer, promote its general welfare and to establish the standards of conduct for business industry to ensure the protection of health and safety of our people.

This publication on the Maximum Residue Limits (MRLs) for pesticide in asparagus is anchored to protect the health and welfare of the consumer. This is a collaborative effort of the Fertilizer and Pesticide Authority (FPA), the Department of Agriculture-Ginintuang Masaganang Ani-High Value Commercial Crops (DA-GMA-HVCC) and the Pesticide Industry Sector specifically CropLife Philippines.

These established MRLs for asparagus were based on the data generated by the respective pesticide registrant companies following the Good Agricultural Practices (GAP) principle.

We hope that these MRLs will promote the exportation and acceptability of our asparagus and enhance the trading and competitiveness of this commodity in the international market.

On behalf of the FPA, we would like to extend our appreciation and thanks to the Department of Agriculture, CropLife Philippines, Crop Protection Association of the Philippines (CPAP) and Philippine Integrated Crop Management Association (PICMA) for their support in this project.


NORLITO R. GICANA, CESO IV
Executive Director

Definition of Terms

CODEX MRLs are derived from estimation made by the FAO/WHO JMPR (*Joint FAO/WHO Meeting on Pesticide Residues*) through the following:

- Toxicological assessment of the pesticides and its residue
- Review of residue data from SPRT (Supervised Pesticide Residue Trials) and supervised uses including those reflecting national GAP.

GAP (Good Agriculture Practice) is the officially recommended or authorized usage of pesticides under practical conditions at any stage of production, storage, transport, distribution and processing of food, agricultural commodities and animal feed bearing in mind the variations in requirements within and between regions, which takes into account the minimum quantities necessary to achieve adequate control, applied in a manner so as to leave a residue which is the smallest amount of practicable and which is toxicologically acceptable. (**GREENBOOK**, FPA Pesticide Regulatory Policies and Implementing Guidelines, 2nd Edition 2001)

Maximum Residue Limit (MRL), Definition by FPA Pesticide Regulatory Policies and implementing Guidelines - is the maximum concentration of a pesticide residue resulting from the use of a pesticide according to Good Agricultural Practice that is recommended by the Codex Alimentarius Commission to be legally permitted or recognized as acceptable in or on a food, agricultural commodity, or animal feed, the concentration expressed in milligrams of pesticide residue per kilogram of the commodity. (**GREENBOOK**, FPA Pesticide Regulatory Policies and Implementing Guidelines, 2nd Edition 2001)

Maximum Residue Limit (MRL), -is the conc. of a pesticide residue resulting from the use of a pesticide according to GAP that is recommended by the Codex Alimentarius Commission to be legally permitted or recognized as acceptable in or on a food, agricultural commodity, or animal feed, the concentration expressed in milligrams of pesticide per kilogram of the commodity. (Definition by CODEX)

Parts per billion (ppb) Ratio of amounts expressed as parts pesticide per one billion or 10^9 parts of sample. Strictly the quantities should be the same i.e. weight to weight (solids) or volume to volume (liquids or gases) e.g. 1ppb = $1\mu\text{g}/\text{kg}$. A common usage is for weight to volume but to avoid confusion it is recommended that the SI units are used rather than ppb; e.g. $\mu\text{g}/\text{L}$ (Mills et al., 1993), (*U P A C Pure Appl. Chem.*, Vol. 68, No.5, pp. 1167-1193, 1996)

Parts per million (ppm) Ratio of amounts expressed as parts pesticide per one million or 10^6 parts of sample e.g. 1ppm = $1\text{mg}/\text{kg}$. As with ppb it is recommended that SI units are used rather than ppm, particularly for weights to volume. *U P A C Pure Appl. Chem.*, Vol. 68, No.5, pp. 1167-1193, 1996

Pesticide is defined as any substance or product, or mixture thereof, including active ingredients, adjuvants and pesticide formulations intended to control, destroy, repel or mitigate directly or indirectly, any pest including insecticide, fungicide, bactericide, nematocide, herbicide, molluscicide, avicide, rodenticide, plant regulator, defoliant, dessicant and the like. (PD 1144)

Pesticide Residue – means any specified substances in food, agricultural commodities, or animal feed resulting from the use of pesticide. The term includes any derivatives of a pesticide, such as conversion products, metabolites, reaction products, and impurities considered to be of toxicological significance. (GREENBOOK)

Positive list system is controlled by Japanese Ministry of Health, Labor and Welfare, (MHLW) based on revised Food Sanitation Law (Law No.55, 2003), to protect citizens from being exposed to excess amount of agricultural chemicals from food and water to keep food safe by prohibiting the distribution of foods which contain agricultural chemicals above levels of maximum residue limits (MRLs). It applies to all food : all crops, milk, meat and eggs, fresh, frozen, processed food.
Three categories in positive list system:

- Uniform limit - Limits that is unlikely to pose adverse health effects is determined as 0.01ppm. It applies to Agricultural chemicals **without** MRL for any food and Agricultural chemicals **without** MRL for certain food
- Exempted substances- 65 substances, determined as chemicals which do not pose adverse effects.
- MRLs and provisional MRLs : 799 substances, Maximum residue limits (MRL) and provisional MRL are established as specification for food.

Pre-harvest interval (PHI) The time interval between the last application of a pesticide to a crop and harvest. (**U P A C Pure Appl. Chem.**, Vol. 68, No.5, pp. 1167-1193, 1996)

Withholding period Minimum permissible time between the last application of a pesticide to a crop (including pasture) and harvesting for human consumption or grazing with livestock. The minimum permissible time between the final application of a pesticide to an animal and the collection of eggs or milk, or slaughter, for human consumption. (**U P A C Pure Appl. Chem.**, Vol. 68, No.5, pp. 1167-1193, 1996)

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REGISTERED PESTICIDES FOR OKRA

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
INSECTICIDES						
Acephate	Acetam 75 SP	Bayer Cropscience, Inc.	Cutworm, aphids	20-30 gm/16Li	14	5.0
	Compete 75 SP	Zagro Corporation	Cutworm, aphids	20-30 gm/16Li	14	5.0
	Hi-Octane 75 SP	Access Agricare, Inc.	Cutworm, aphids	20-30 gm/16Li	14	5.0
	Orthene	Arysta Life Science, Inc.	Cutworm, aphids	20-30 gm/16Li	14	5.0
	Radisson Acephate	Radisson Agrochem Corp.	Cutworm, aphids	20-30 gm/16Li	14	5.0
Acetamiprid	Mospilan 3 EC	Transworld Trading, Inc.	Leafhopper, shootborer, fruitborer	15-20 mL/16Li	14	1.0
	Milan 3 EC	Berris Agricultural Co., Inc.	Leafhopper, shootborer, fruitborer	15-20 mL/16Li	14	1.0
Azadirachtin	Neemactin 0,15 EC	Biostadt Philippines, Inc.	Shoot borer, fruitborer, leafhopper, aphids, okra stemfly, whitefly	10 mL/16Li	14	1.0
	Nimbecidine 0,03% EC	Berris Agricultural Co., Inc.	Shoot borer, fruitborer, leafhopper, aphids, okra stemfly, whitefly	10 mL/16Li	14	1.0
Bacillus Thuringiensis	Dipel WP	Cropking Chemicals, Inc.	Cutworm, armyworm, leafworm, fruitworm, earworm	20-40 mL/16Li	5-7	-
	Halt WP	Biostadt Philippines, Inc.	Cutworm, armyworm, leafworm, fruitworm, earworm	20-40 mL/16Li	5-7	-
	Xentari WDG	Cropking Chemicals, Inc.	Cutworm, armyworm, leafworm, fruitworm, earworm	20-40 mL/16Li	5-7	-
	Xentari WDG	Tropi-Cuke, Inc.	Cutworm, armyworm, leafworm, fruitworm, earworm	20-40 mL/16Li	5-7	-
Carbaryl	Americano 85 WP	Jocanima Corporation	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Baryl 85 WP	Kemistar Corporation	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Carbaseal 85 S	RNE Chemical Trading	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Carbaryl	Chopper 85 S	Cropking Chemicals, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Elite Carbaryl 85 WP	Elite Biochemicals Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Fortein 85 WP	Planters Product, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Ganadrin 85 WP	Jeels Masagana Farm Supply	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Kwegger 85 WP	Cultiva, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Macro 85 WP	Cyberth Phils., Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Ocho 85 WP	Access Agricare, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Orabyl 85 WP	Oracle Chemical Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Pentagon 85 WP	Gold Orchard Distribution Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Phantom 85 WP	Radisson Agrochem Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Provin 85 WP	AgriDyne Tech., Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Quadro 85 WP	Teamagro Trdg., Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Resbak	Vann Hawk Agro Chemicals, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Savings 85 WP	GRC Agricultural Trading	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Servwel 85 WP	Servwel Agri-Trading Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
Seven Eleven 85 WP	Integrated Crop Trading Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Carbaryl	Sevin 85 WP	Bayer CropScience, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Shoot 85 WP	Berris Agricultural Co., Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Stayer 85 WP	Jedarc Chemicals	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Superseven 85 WP	IVA, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Transocarb 85 WP	Transworld Trading, Inc.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	United Agro Carbaryl	United Agro Trade Corp.	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Versa 7	DeiFonso Agri Feeds Center	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Victory 85 WP	Agway Chemicals	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
	Zacarb 85 WP	Zagro Corporation	Worms, aphids, scale insect, mealybug, leafminer	40-60 gm/16Li	7	10.0
Carbofuran	Agrofuran 3G	Everland Agri Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Agfuran 3G	Agway Chemicals Corporation	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Bafuran 3G	CRC Agricultural Trading	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Biodan 3G	Monarch Agricl. Products Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Carbofuran	Biofuran 3G	Abigail Farm Supply	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Brifur 3G	Texicon Agrichem Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Carbomax 3G	Vast Agro Solutions, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Curadan	Just Marketing Operation Multi Purpose Co.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	D'Grand	HQ Agricare Trading	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Diafuran 3G	Transworld Trading co., Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Eurodan 3G	Access Agricare, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	F-4 Dan 3G	Concepcion Agricultura Supply	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Furza 3G	Bayer Cropscience, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5
	Furadan 3G	FMC-Marine Colloids Phils.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ starting season	0.5

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Carbofuran	Furadan 3G	Du Pont Far East, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Furadan Ultra 3G	Leads Agri Products, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Furagran 3G	AgriVi Life Science, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	ICTC Carbofuran 3G	Integrated Crop Trading Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Primera Carbofuran 3G	Donato C. Cruz Trading	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Puredan 3G	RNE Chemical Trading	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Radisson Carbofuran 3G	Radisson Agrochem, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Ratseda 3G	Del Fonso Agri Feeds Center	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Supergran 3G	Planters Product, Inc.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	Systemic 3G	Systemic Farm Supply	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Carbofuran	Turbo 3G	Agro Advanced Crop Protection Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
	United Agro Carbofuran	United Agro Trade Corp.	Aphids, mealy bugs, scale insects, hoppers, cutworms	16.7-33.3 kg/ha	Apply only once @ planting season	0.5
Cartap Hydrochloride	Agropoint Cartap	Agropoint Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Agrotap 50 SP	United Agro Trade Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	All-Out 50 SP	Everland Agri Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Alto 50 SP	Asia Gold Trading Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Altap 50 SP	Aljay Agro Industrial Dev. Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Barena 50 SP	Top Agro Trade Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Barrage 50 SP	Agri Dyne Tech, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Boltin 50 SP	Crooking Chemicals, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Broadband 50 SP	Albert Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Buenas 50 SP	Igapamy Mktg Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Carbine 50 SP	Altrade	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	C-Cure 50 SP	OTH, Int'l	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Cardinal 50 SP	Vann Hawk Agro Chemicals, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Cartap Hydrochloride	Care Top 50 SP	Enviro Cropvet Products, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Caretop 50 SP	Gintong Ani Agri Chemicals	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Cartap ES	Leads Agri Products, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Cartap 50 SP	Gintong Ani Agri Chemicals	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Diamond 50 SP	Access Agricare, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Extrane 50 SP	Planter Agri Chem Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Elite Cartap	Elite Biochemicals Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Fujitap 50 SP	Just Marketing Operation Multi Purpose, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Gadan 50 SP	Jeels Masagana Farm Supply	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Gemtrak 50 SP	Gem Agrologic, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Grantap 50 SP	Abigail Farm Supply	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Husky	Avee Marketing	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Ingram 50 SP	Aldiz Incorporated	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Instar 50 SP	Arkhal Agro Ventures	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Katapat 50 SP	RNE Chemical Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
Megalap 50 SP	Zagro Corporation	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Cartap Hydrochloride	Miner 50 SP	Jocanima Corporation	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	M-Tap 50 SP	Goldmine Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Over-All 50 SP	Cyberth Phils., Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Pacman Super Cartap	Titan Agricultural Products, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Padan 50 SP	Agricare Service Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Padan 50 SP	Jardine Distribution, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Padim 50 SP	Berris Agricultural Co., Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Paspas	NS Northern Organic Fertilizer	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Patrak 50 SP	Kemistar Corporation	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Pestemic 50 SP	R.E.D. Agri Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Philtap 50 SP	PhilAgrow, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Prevent 50 SP	Integrated Crop Trading Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Pro Done	HQ Agricare Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Rampage 50 SP	Bayer Cropscience, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Royal Cartap	Monarch Agric'l. Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
Sparrow 50 SP	AltaCrop Protection Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Cartap Hydrochloride	Spur 50 SP	Novo Chisanis	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Star Cartap	AgenVi Life Science, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Super Cartap 50 SP	Int'l. Vet & Agrochem (IVA) Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Systemic Cartap 50 SP	Systemic Farm Supply	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Tepok 50 SP	Radisson Agrochem Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Thunder 50 SP	Agchem Mfg. Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Top Rank 50 SP	Vast Agro Solutions	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Trac 50 SP	Transworld Trading Co., Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Triband	Trigreen Trading Corp.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Unitap 50 SP	Gold Orchard Distribution, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Vegetox 50 SP	Planters Product, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Voltz 50 SP	Cultiva, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
	Worktap 50 SP	Biostadt Philippines, Inc.	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0
X-14 Cartap Blue	Managra Trading	Hoppers, aphids, thrips, cutworms, whitefly, leafminer	15-20 gm/16Li	10	3.0	
Chlorfluazuron	Atabron 5E	AVC Chemicals Corp.	Cutworm	20mL/16Li	1	2.0
Chlorphenapyr	Kotatsu 10 SC	Transworld Trading Co., Inc.	Thrips, leafminer, aphids, spider mites	15-30 gm/16Li	14	1.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Clothianidin	Dantop	Jardine Distribution, Inc.	Leafhopper, aphids	3.0gm/16Li	3	1.0
	Dantotsu 16 WSG	Agricare Service Corp.	Leafhopper, aphids	3.0gm/16Li	3	1.0
Etofenprox	Check 2.5 EC	Access Agricare, Inc.	Hoppers, whitefly, aphids	40-80mL/16Li	1	5.0
	Polido 2.5 EC	Arysta Life Science, Inc.	Hoppers, whitefly, aphids	40-80mL/16Li	1	5.0
	Dash 30 EC	Blostadt Philippines, Inc.	Hoppers, whitefly, aphids	3-7mL/16Li	1	5.0
	Trebon 30 EC	Arysta Life Science, Inc.	Hoppers, whitefly, aphids	3-7mL/16Li	1	5.0
	Trebon Excel 10 EC	Blostadt Philippines, Inc.	Hoppers, whitefly, aphids	10-20mL/16Li	1	5.0
	Trebon 10 EC	Arysta Life Science, Inc.	Hoppers, whitefly, aphids	10-20mL/16Li	1	5.0
	Trefic 20 WP	Arysta Life Science, Inc.	Hoppers, whitefly, aphids	5-10gm/16Li	1	5.0
Imidacloprid	Confidor 100 SL	Bayer Cropscience, Inc.	Leafhoppers	1.25-2.5mL/16Li	0	5.0
Permethrin	Kafe 10 EC	PhilAgrow, Inc.	Leafhoppers, thrips, aphids, fruitworm, cutworm	10-30mL/16Li	4-7	3.0
	Pytox 10 EC	Zagro Corp.	Leafhoppers, thrips, aphids, fruitworm, cutworm	10-30mL/16Li	4-7	3.0
Pymetrozine	Chess 50 WG	Syngenta Phils., Inc.	Whitefly, aphids, leafhoppers, mealybugs	8gms/16Li	3	2.0
Spinosad	Success Naturalyte 25 SC	Dow Agroscience B.V.	Thrips, fruitworms, semiloopers, cutworms	20-45mL/16Li	3	2.0
	Success Naturalyte 25 SC	Jardine Distribution, Inc.	Thrips, fruitworms, semiloopers, cutworms	20-45mL/16Li	3	2.0
Thiamethoxam	Actara 25 WG	Syngenta Phils., Inc.	Leafhoppers, aphids, scale insects, mealybugs, bollweevil, whiteflies	4-5gms/16Li	1	1.0
Thiamethoxam + Lambda-cyhalothrin	Akka 247 ZC	Syngenta Phils., Inc.	Whiteflies, leafhoppers, aphids, cutworms, semiloopers, fruitworm, boll weevil, scale insects, mealybug	6-10mL/16Li	7	1.0 (Thiamethoxam) 0.5 (Lambda-cyhalothrin)

ACARICIDE						
Hexythiazox	Nissorin 5 EC	Transworld Trading, Inc.	Spider mites	40-55mL	1	2.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
FUNGICIDES						
Azoxystrobin	Amistar 25 SC	Syngenta Phil., Inc.	Late blight, early blight, powdery mildew, anthracnose, cercospora leaf spot, powdery mildew	10-12mL/16Li	0	3.0
Benomyl	Agchem Benomyl 50 WP	Agchem Manufacturing, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Agenomyl 50 WP	AgenVi Life Science, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Agronomyl	United Agro Trade Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Agway 50 WP	Gamecore Enterprise	Powdery mildew	10-20mL/16Li	7	3.0
	Benlaki 50 WP	Vann Hawk Agro Chemicals, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Benleaf 50 WP	RNE Chemical Trading	Powdery mildew	10-20mL/16Li	7	3.0
	Benlight	Access Agricare, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Benolate 50 WP	Abigail Farm Supply	Powdery mildew	10-20mL/16Li	7	3.0
	Ben-On-Time	Monarch Agric'l. Products, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Benophyl 50 WP	PhilAgrow, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Benostar 50 WP	Jardine Distribution, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Benzyl 50 WP	Novo Chrisantis	Powdery mildew	10-20mL/16Li	7	3.0
	Classic 50 WP	United Linkages Marketing	Powdery mildew	10-20mL/16Li	7	3.0
	Cropguard 50 WP	Altacrop Protection Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Elite Benomyl	Elite Biochemicals Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Everland Benomyl 50 WP	Everland Agri Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Fundazol 50 WP	Int'l. Vet & Agrochemicals (IVA), Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Fungufree Plus	Vast Agro Solution, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Hyper 50 WP	Cyberth Phils., Inc.	Powdery mildew	10-20mL/16Li	7	3.0
ICTC Benomyl 50 WP	Integrated Crop Trading Corp.	Powdery mildew	10-20mL/16Li	7	3.0	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Benomyl	Jiangnong 50 WP	EON Chemical Trading Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Momentum 50 WP	Gold Orchard Distribution Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	MYL-Q 50 WP	Kemistar Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Panda 50 WP	Just Marketing Operations Multi-Purpose Coop.	Powdery mildew	10-20mL/16Li	7	3.0
	Procure 50 WP	OTH, Int'l.	Powdery mildew	10-20mL/16Li	7	3.0
	Radisson Benomyl 50 WP	Radisson Agrochem Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Sure Win	Teamagro Trdg. Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Texamyl 50 WP	Texicon Agrichem Corp.	Powdery mildew	10-20mL/16Li	7	3.0
	Venom 50 WP	Planters Product, Inc.	Powdery mildew	10-20mL/16Li	7	3.0
	Vibora 50 WP	Planters Agri-Chemical Corp.	Powdery mildew	10-20mL/16Li	7	3.0
Chlorothalonil	Banko 75 WP	Arysta Lifescience, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Bosaing 75 WP	Kemistar Corp.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Chloronil 75 WP	Zagro Corp.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Civil 75 WP	Leads Agri Products, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Clotaniil	United Agro Trade Corp.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Dacoril 2787 75 WP	Bayer Cropscience, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Deacon 75 WP	Bayer Cropscience, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Dr. Neil 75 WP	Access Agricare, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Free 75 WP	Agway Chemicals	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Chlorothalonil	HQ Turbonil	HQ Agricare Trading	Cercosporal leaf spot, downy mildew, anthracnose, late blight	30-50gm/16Li	14	6.0
	Sentinel 75 WP	Agri dyne Tech, Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	35-50gm/16Li	14	6.0
	Thalonil	NS Northern Organic Fertilizer	Cercosporal leaf spot, downy mildew, anthracnose, late blight	35-50gm/16Li	14	6.0
	Trunil 75 WP	Cultiva, Inc	Cercosporal leaf spot, downy mildew, anthracnose, late blight	35-50gm/16Li	14	6.0
	Vallant 75 WP	Radisson Agrochem Corp.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	35-50gm/16Li	14	6.0
	Vengeance 75 WP	Berris Agricultural Co., Inc.	Cercosporal leaf spot, downy mildew, anthracnose, late blight	35-50gm/16Li	14	6.0
Mancozeb	Agricote MZ 80 WP	Agway Chemicals	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Agricote MZ 80 WP	Chemagro Resources Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-80gm/16Li	7	0.2
	Agrozeb 80 WP	United Agro Trade Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Aljay Mancozeb 80 WP	Aljay Agro Industrial Dev't. Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-80gm/16Li	7	0.2
	Aries Mancozeb	RNE Chemical Trading	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Attain M-80	Access Agricare, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Biozeb	Arkhal Agro Ventures	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Biozeb 80 WP	Monarch Agric'l. Products, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-80gm/16Li	7	0.2
	Bluezate 800	La Trinidad Sunrise Trading	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Curazeb M-80	HQ Agricare Trading	Late blight, leaf rust, downy mildew, anthracnose	30-80gm/16Li	7	0.2

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Mancozeb	Dithane M-45 Neotec WP	Cropking Chemicals, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Dithane M-45 Neotec WP	Dow Agroscience, B.V.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Dithane M-45 Neotec WP	Tropi-Cuke, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Ever Mancozeb 80 WP	Everland Agri Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Fungizeb 80 WP	Enviro Cropvet Products, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-80gm/16Li	7	0.2
	Fungufree	Vast Agro Solution, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Ganazeb 80 WP	Jeels Masagana Farm Supply	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Greenblast 80 WP	Good Earth Technologies, International Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	ICTC Mancozeb	Integrated Crop Trading Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Induzeb 800 WP	Indukem Innovations, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Ivazeb 80 WP	International Veterinary & Agrochemicals (IVA), Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Justhane	Just Marketing Operation Multi-Purpose Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Lenin Mancozeb 80 WP	Lenin Farm Chemicals	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Mancotex 80 WP	Texicon Agrichem Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Manzate 200 Fungicide	Du Pont Far East, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
Manzeb 80 WP	Zagro Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Mancozeb	Marzeb 80 WP	Igpami Mktg. Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Marthzeb 80 WP	Marthdave Co., Ltd.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Mc-Zeb 80 WP	EON Chemical Trading	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Micron 80 WP	Aldiz Incorporated	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	NS-D-10 Plus	NS Northern Organic Fertilizer	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Parafungus 80 WP	Planters Product, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Pilarzeb 80 WP	Vann Hawk Agro Chemicals, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Prozeb 80 WP	Agri Dyne Tech., Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Radisson Mancozeb 80 WP	Radisson Agrochemicals Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Rainfast 80 WP	Cultiva, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Redeem 80 WP	Biostadt Philippines, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Royalzeb 80 WP	Mars Agri-Chem Supply, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Savior 80 WP	Dow Agro Science, B.V.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Shogun 800	ALVA Chemicals, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Shotgun-M	Altrade	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
Titanic 80 WP	Gold Orchard Distribution Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Mancozeb	Torogi Blue	Siglat Organic Fertilizer Farm Supply	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Tranzeb 80 WP	Transworld Trading Co., Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Trizeb 80 WP	Trigreen Trading Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Troop 80 WP	Novo Chrisantis	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Truzeb 80 WP	Abigail Farm Supply	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Vanzeb 80 WP	Agro Advanced Crop Protection Corp.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Vondozeb Plus	EFSJR Farms	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Vondozeb Plus	Jardine Distribution, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Wonder 80 WP	Cyberth Philippines, Inc.	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
	Zeb-A-Zeb 80 WP	Oracle Chemical Corporation	Late blight, leaf rust, downy mildew, anthracnose	30-60gm/16Li	7	0.2
Thiophanate Methyl	Armor	Leads Agn Products Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Bonite 700 WP	Anakuna Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Fight-S	Agenvi Life Science, Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Fungitox 70 WP	Planters Products, Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Krypton 70 WP	Planters Products, Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Miltop 70 WP	Jocanima Corporation	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Thiophanate methyl	Precur 70 WP	United Agro Trade Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Raven 70% WP	R & A Agrofarm Products	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Scope 70 WP	Zagro Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Thio-Met 70 WP	Radisson Agrochem Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Tango 70 WP	Cultiva, Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Thiometh 70 WP	Gold Orchard Distribution Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Thiophanate M 70 WP	Gamecore Enterprise	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Tiptop 70 WP	Bemis Agricultural Products Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	TM 70% WP	Managra Trading	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Topnotch	Arkhal Agro Ventures	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Tops 70 WP	Monarch Agricultural Products, Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Topsin-M 70 WP	Transworld Trdg., Co., Inc.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
	Topper 70 WP	FKA Agri Chemicals Corp.	Cercosporal leaf spot, powdery mildew, anthracnose	5-10gm/16Li	14	3.0
Triflumizole	Trifmine 30 WP	Transworld Trading Co., Inc.	Cercosporal leaf spot		1	1.0

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
HERBICIDES						
Glyphosate IPA	Agrowzate	PhilAgrow, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Clean Cut 480 SL	Mars Agri Ventures & Commodities, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Clear-Cut 48 SL	Albert Trading	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Cleanzone IPA 480 SL	Cropking Chemicals, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Clearout 41 Plus	Prochem Agritech, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Conquer	Aljay Agro Industrial Dev't Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Demolition X	Vast Agro Solution, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Dry-Up 480 SL	Transworld Trdg., Co. Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Elite Glypho 480	Elite Biochemicals Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Found Up 480 SL	O'Queens Agroworx Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Gly-Flo Max.	FKA Agri Chemicals Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Glyner 480 SL	Bayer Cropscience, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Glyphomax	Dow Agroscience, B.V.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Glyphos 8	MNK Trading & Delivery Services	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
Glyphotex	Toxicor Agrichem Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Glyphosate IPA	GPS 480 g/L	Everland Agri Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Grass Zero	RNE Chemical Trading	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Ground Plus 480	United Agro Trade Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Hu Root	Managra Trading	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Indukleer 41	Indukem Innovations, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Kemistar Glypho 480 SL	Kemistar Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Klars 480 SL	Berris Agricultural Co., Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Kleen Up 480 SL	ALVA Chemicals Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Kleen UP 480 SL	Cropking Chemicals, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Kross Out	Agchem Mfg. Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Megaton	Access Agricare, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Mower	Lead Agri Products, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Novasate 480 SL	Sagrex Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	NS Wash Out	NS Northern Organic Fertilizer	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	One-Up	Altrade	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
Planters Glyphosate 480	Planters Product, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2	

ACTIVE INGREDIENTS	BRAND NAMES	REGISTRANT	PESTS	DOSAGE	PHI (days)	MRL (ppm)
Glyphosate	P-Max	Radisson Agrochem Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Pounce 480	Zagro Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Roundup SL	Monsanto Phils., Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Run-Up	Jeels Masagana Farm Supply	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Rup Gold	HQ Agricare Trading	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Sakto 480 SL	Farmcom Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Sharpshooter	Aldiz Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Sigma	Du Pont Far East Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Slash	Jardine Distribution, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Tekweed 480 SL	Agway Chemicals	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Weed Ban	Biostadt Phils, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Weed Blaster	Integrated Crop Trading Corp.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Year Round 480 g/L	Monarch Agricl. Products, Inc.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
	Zapped Forte	Universal Scope Phils.	Grass weeds (pre-plant & inter-row application)	80-160mL/16Li	-	0.2
Sethoxydim	Nabu-S	Transworld Trading, Inc.	Weeds	40-80 mL/16Li	14	10.0

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Association	Head of Office	Contact No.	Office Address
Pesticide			
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CROPLIFE	<i>Ms. FLORENCE VASQUEZ</i> President <i>Mr. SIMEON A. CUYSON</i> Executive Director	772-3993 772-3992	Unit 5-E MAPFRE, Asian Corporate Center Condo., Acacia Ave., Madrigal Business Park, Ayala Alabang, Muntinlupa City
PICMA Philippine Integrated Crop Management Association	<i>Mr. SALVADOR FERIDO</i> President	367-9988 365-3113	c/o Radisson AgroChem Corp. 220 Sto Domingo St. Balingasa, Quezon City