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NATIONAL PLANT PROTECTION CENTRE
DEPARTMENT of AGRICULTURE
MINISTRY of AGRICULTURE & LIVESTOCK
SEMTOKHA



NPPC/ADM-16(B)/2024-25/ 493

13th June, 2025

1. Dzongkhag Agriculture Officers(Bumthang, Chhukha, Dagana, Gasa, Haa, Lhuentse, Mongar, Paro, Pemagatshel, Punakha, Sarpang, Samtse, Samdrupjongkhar, Thimphu, Trashigang, Trongsa, Tsirang, Trashiyangtse, Wangdue and Zhemgang Dzongkhags)
2. Thrompons, Thimphu, Phuntsholing, Gelephu, and Samdrup Jongkhar Thromde
3. Director, Department of Forests and Park Services, Thimphu
4. Gyalsung Head Office, Thimphu
5. De-suung Head Office, Thimphu
6. Tarayana Foundation Head Office, Thimphu
7. Program Director (NC-OA Yusipang, ARDC Bajo, ARDC Samtenling, ARDC Wengkhar and National Seed Centre, Paro)
8. CEO, Mountain Hazelnut Venture Pvt. Ltd, Thimphu
9. CEO, FMCL, Paro
10. CEO, FCB, Phuntsholing
11. CEO, Fine Bhutan Wine Pvt. Ltd, Thimphu
12. CEO, Green Bhutan Corporation Ltd
13. CEO, Bhutan Livestock Development Corporation Ltd
14. Beautification Officer, Thimphu Thromde

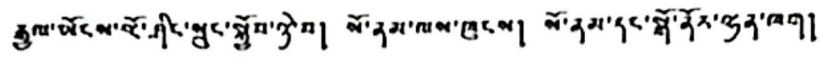
Subject: Plant Protection Products (PPP) Demand for 2025-2026

Dear Sir/Madam,

The Centre would like to notify that the demand/indent collection of PPP for FY 2025-2026 is from **June 20, 2025 to July 21, 2025**, exclusively through our PPP-IMS system (<https://pppims.nppc.gov.bt>). All submission must adhere to this deadline as the system will not accept late entries. Demands should realistically address insect pests, diseases, and weeds issues, and accordingly indent the quantity of PPP to avoid over or underestimation to ensure correct dosage of the PPP. Please do note that we will not accept any indent in hard copies and hence all indenting is to be done online.

Key points to note:

- Farms belonging to Gyalsung, Desuung, Forestry, and Tarayana Foundation should submit their indents to the nearest Gewog Agriculture Extension Agent overseeing their respective locations.
- Thromde demands (farmers involved in farming but do not fall under Gewog) should submit their indents with the nearest Gewog Agriculture Extension Agent.



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1. Director, DoA, MoAL for kind information
2. Chief APD, DoA, MoAL for kind information
3. Chief ARID, DoA, MoAL for kind information
4. PP Product, NPPC for further information and necessary action
5. Admin.Asst , NPPC for further information and necessary action
6. Office copy

List of Plant Protection Products for 2025-2026

SI No	Pesticide Type	Pack Size (2023-2024)	Pack Size (2024-2025)	Pack Size for 2025-2026	Unit	Mode of Action	Target Pest
A. Insecticides:							
1	Chlorantraniliprole 18.5% SC	30 ml	30 ml	30 ml	Liter	Systemic	Fall armyworm, rice ear cutting caterpillar, culworms, pod borer, bollworm, fruit borer, stem borer, shoot borer, semi-loopers, leaf folders, diamondback moth, semi-looper, white grubs, aphids, mites, thrips, whiteflies, hoppers
2	Emanectin benzoate 5% SG	50 g	50 g	50 g	Kg	Contact	Fall armyworm, rice ear cutting caterpillar, boll worms, fruit and shoot borer, diamondback moth, pod borer, thrips, mites, aphids, whiteflies, hoppers
3	Cypermethrin 10% EC	100 ml	100 ml	100 ml	Liter	Contact	Bollworms, aphids, diamondback moths, rice leafrollers, thrips, culworms, hoppers, flea beetles, whiteflies
4	Malathion 50% EC	100 ml	100 ml	100 ml	Liter	Contact	Grasshoppers, locusts, crickets, thrips, aphids, hoppers, white flies, mealy bugs, scales, bugs, ants, beetles, weevils, leaf miners
5	Chlorpyrifos 20% EC	100 ml	100 ml	100 ml	Liter	Contact	Bollworms, aphids, culworms, stem borer, gall midge, whiteflies (can be substituted with Cypermethrin 10% EC)
B. Fungicides							
1	Captan 50% WP	250 g	250 g	200 g	Kg	Contact	damping-off, botrytis blossom blight, powdery mildew, anthracnose, rust, brown rot, early blight and late blight, apple scab, brown rot on peaches, black spot
2	Carbendazim 50% WP	250 g	250 g	100 g	Kg	Systemic	leaf spot and rust of wheat and sheath blight, leaf scald and rice blast diseases of paddy.
3	Copper oxychloride 50% WP	100 g	500g	100 g	Kg	Contact	Scab, Anthracnose, Downy mildew, Early blight, and Late blight diseases of various crops
	Hexaconazole 5% EC	100ml	100ml	100 ml	Liter	Contact	Scab, blast, sheath blight, leaf spot, powdery mildew
	Mancozeb 75% WP	250 g	250 g	200 g	Kg	Contact	Black & Yellow rust, Downy Mildew, Early & Late blight, Buck eye rot, Leaf spot.
	Tricyclazole 75% WP	100 g	250 g	200 g	Kg	Contact	Rice blast blight
	Sulphur 80% WP	250 g	250 g	200 g	Kg	Contact	Powdery mildew, rust, leaf spot
	Propiconazole 25% EC	100 ml	100 ml	100 ml	Liter	Contact	Turicum leaf blight and Gray leaf spot in Maize
	Copper sulphate 25% WP	250 g	500 g	500 g	Kg	Contact	To prepare bordeaux mixture

10	Potassium phosphite	250 g	250 g	200 g	Kg	Systemic	Late blight of Potato, Chili blight, Downy mildew, Powdery mildew, Root rot diseases, Bacterial blight, Garlic rust, Apple scab
C. Herbicides							
1	Butachlor 5% G	10 kg	10 kg	10 kg	Kg	Systemic	Banyardgrass (<i>Echinochloa crus-galli</i>), Jungle rice (<i>Echinochloa colona</i>), Goosegrass (<i>Eleusine indica</i>), Crabgrass (<i>Digitaria</i> spp.), Flat sedge (<i>Cyperus iria</i>), Purple nutsedge (<i>Cyperus rotundus</i>)
2	Metribuzin 70% WP	250 g	250 g	250 g	Kg	Systemic	pigweed (<i>Amaranthus</i> spp.), chickweed (<i>Stellaria media</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), white goosefoot (<i>Chenopodium album</i>), Gallant soldier (<i>Galinoga parviflora</i>), Shaggy soldier (<i>Galinoga quadriradiata</i>), bermuda grass (<i>Cynodon dactylon</i>), crabgrass (<i>Digitaria ciliaris</i>), <i>Pennisetia</i> spp.,
3	Ethoxysulfuron 15% WDG	50 g	50 g	50 g	Kg	Systemic	Shoebum (<i>Potamogeton distinctus</i>), <i>Pontederia vaginalis</i> , <i>Cyperus</i> spp., <i>Eclipta alba</i> , <i>Schoenoplectiella juncoideis</i>
D. Biopesticides/pheromones							
1	Necm oil (Azadirachtin 10,000 ppm)	100 ml	100 ml	100 ml	100 ml	Contact	Whiteflies, thrips, caterpillars, aphids, mealybugs, spider mites, and immature scales
2	Horticultural mineral oil	1 liter	1 liter	1 liter	1 liter	Contact	Scales, mites, thrips
3	Sticker	250 ml	250 ml	250 ml	250 ml	Adhesion, and retention of pesticide	Facilitate the easier spread and prolonged adherence of pesticides to plant parts. By reducing the surface tension of the pesticide solution, these adjuvants enable the pesticide to form a uniform film on the plant surfaces, improving its coverage and ensuring it remains effective for an extended period
4	Coco trap	No	No	No	No	Pheromone trap	To be used with red palm weevil lure to monitor and trap red palm weevil in areca nut and coconut
5	McPhail trap	No	No	No	No	Pheromone trap	To be used with mango fruit fly lure to monitor and trap fruit flies in mango and peach orchards.
6	Funnel trap	No	No	No	No	Pheromone trap	To trap chili pod borer, rice ear cutting caterpillar, fall armyworm and potato tuber moths
7	Steiner trap	No	No	No	No	Pheromone trap	To be used with mango fruit fly lure to trap fruit flies in mango and peach
8	Sticky trap	No	No	No	No	Pheromone trap	To monitor and trap flying insect pests by capturing them on adhesive surfaces
9	Delta trap	No	No	No	No	Pheromone trap	To monitor and trap litchi fruit borer moths
10	Chili pod borer (<i>Helicoverpa armigera</i>) lure	No	No	No	No	Pheromone lure	To be used with funnel trap to monitor and trap chili pod borer moths
11	Rice ear-cutting caterpillar (<i>Mythimna separata</i>) lure	No	No	No	No	Pheromone lure	To be used with funnel trap to monitor and trap rice ear cutting caterpillar
12	Red palm weevil (<i>Rhynchophorus ferrugineus</i>) lure	No	No	No	No	Pheromone lure	To be used with coco trap to monitor and trap red palm weevils

13	Fall army worm (<i>Spodoptera frugiperda</i>) lure	No	No	No	No	Pheromone lure	To be used with funnel traps to monitor and trap fall armyworm moths
14	Mango fruit fly (<i>Bactrocera dorsalis</i>) lure	No	No	No	No	Pheromone lure	To be used with either McPhail/Steiner trap to monitor and trap fruit flies in mango and peach
15	Melon fruit fly (<i>Bactrocera cucurbitae</i>) lure	No	No	No	No	Pheromone lure	To be used with either McPhail/Steiner trap to monitor and trap fruit flies in cucurbits
16	Potato tuber moth (<i>Plutella</i>) lure	No	No	No	No	Pheromone lure	To be used with funnel trap to monitor and trap potato tuber moths
17	Litchi fruit borer (<i>Conopomorpha sinensis</i>) lure	No	No	No	No	Pheromone lure	To be used with delta traps to monitor and trap litchi fruit borer moths
18	Super grain bag	No	No	No	No	Post-harvest storage bag	Protect cereals and seeds from storage pests
19	Protein hydrolysate	1 kg	1 kg	1 kg	1 kg	Attractants/Feeding bait	To be used as bait spray (any insecticide + protein hydrolysate) to attract citrus fruit fly

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