



APPROVED FUNGICIDES AND WEEDICIDES FOR BANGLADESH TEA

BANGLADESH TEA RESEARCH INSTITUTE
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BANGLADESH TEA RESEARCH INSTITUTE

SRIMANGAL- 3210, MOULVIBAZAR

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APPROVED FUNGICIDES AND WEEDICIDES FOR BANGLADESH TEA

Diseases	FUNGICIDES			Dose ha ⁻¹ in 1000 L water
	Chemical group	Common Name	Trade Name	
Red rust, Black rot, Die-back, Gall, Branch canker, Horse hair blight, Thread blight, Grey blight, Brown blight, Blister blight.	Inorganic	Copper - Oxychloride	Haymoxy 50 WP	2.80 kg
			Acmecon 50 WP	Do
			Blue cop 50 WP	Do
			Copper 50 WP	Do
			Blitox 50 WP	Do
			Sunocopperoxy 50 WP	Do
			Cobox blue 50 WP	Do
			Emivit 50 WP	Do
			Sunvit 50 WP	Do
			Polyco 50 WP	Do
			Delight 50 WP	Do
			Baicopper 50 WP	Do
			Sulcox 50 WP	Do
			Oxicob 50 WP	Do
			MS Vit 50 WP	Do
			Capvit 50 WP	Do
			Coxy 50 WP	Do
			Copper Blue 50 WP	Do
			Hossacop 50 WP	Do
				Benzimidazole
Knowin 50 WP	Do			
Haydazim 50 WP	Do			
Sirazim 50 WP	Do			
Zimgourd 50 WP	Do			
Agridazim 50 WP	Do			
Baizim 50 SP	Do			
Sistin 50 WP	Do			
Greenzim 50 WP	Do			
CP- Zim 50 WP	Do			
Onezim 50 WP	Do			
Seadazim 50 WP	Do			
Amazim 50 WP	Do			
Bicozim 50 WP	Do			
Emidazim 50 WP	Do			
Longzim 50 WP	Do			
Iprozim 50 WP	Do			
Towin 50 WP	Do			
Cardazim 50 WP	Do			
Regard 50 WP	Do			
Turbo 50 WP	Do			
Superzim 50 WP	Do			
Tyzim 50 WP	Do			

Diseases	FUNGICIDES			Dose ha ⁻¹ in 1000 L water
	Chemical group	Common Name	Trade Name	
Red rust, Black rot, Die-back, Gall,	Benzimidazole	Carbendazim	Dimbazim 50 WP	750 gm
			Nova 50 WP	Do
			Hitastin 50 WP	Do
			Arzim 50 WP	Do

Branch canker, Horse hair blight, Thread blight, Grey blight, Brown blight, Blister blight.			Kandari 50 WP	Do
			Agrozim 50 WP	Do
			Biozim 50 WP	Do
			Simazim 50 WP	Do
			Rekzim 50 WP	Do
			Carbazim 50 WP	Do
			Agrizim 50 WP	Do
			Rajzim 50 WP	Do
			Arozim 50 WP	Do
			Mabendazim 50 WP	Do
			Superzim 50 WP	Do
			Roin 50 WP	Do
			Super Koowin 50 WP	Do
			Ranazim 50 WP	Do
			Cloud 50 WP	Do
		Fasal Zim 50 WP	Do	
		Orozim 50 WP	Do	
		Savistin 50 WP	Do	
		Bijli 50 WP	Do	
		Edvistin Plus 80 WP	500 gm	
	Inorganic	Copper - Hydroxide	Champion 77 WP	2.24 kg
			Superax 77 WP	Do
	Inorganic + Dithiocarbamate	Bordeaux mixture + Cupraneb	Macuprax 16W/W	2.24 kg
	Inorganic	Copper Oxide	Copper Sandoz 50 WP	2.80 kg
	Morpholine	Tridemorph	Calixin 75 EC	1.12 L
	Triazole	Hexaconazole	Contaf 5 EC	750 ml
			Force 5 EC	Do
			Titan 5 EC	Do
			Hexazole 5 EC	Do
			Hexa 5 EC	Do
			Flash 5 EC	Do
			Ringer 5 EC	Do
			Paragon 5 EC	Do
			Bycozole 5 EC	Do
			Hexakil 5 EC	Do
			Bicotaf 5 EC	Do
			Hyteel 5 EC	Do
			Hexanole 5 EC	Do
			Topzole 5 EC	Do
			Hexa 5 EC	Do

Diseases	FUNGICIDES			Dose ha ⁻¹ in 1000 L water
	Chemical group	Common Name	Trade Name	
Red rust, Black rot, Die-back, Gall, Branch canker, Horse hair blight, Thread blight, Grey blight, Brown blight, Blister blight	Triazole	Hexaconazole	Hazel 5 EC	750 ml
			Furazole 5 EC	Do
			Butazol 5 SC	Do
			Visha 5 EC	Do
			Hero 5 EC	Do
			T-Hexa 5 EC	Do
			Fasal Hexa 5 EC	Do
			S-Zole 5 EC	Do
			Ibex 5 EC	Do
			Astozole 5 EC	Do
			Fayjol 5 EC	Do
			Miracle 5 EC	Do
			Kazol 10 EC	500 ml
			G-Conazole 10 EC	Do
			Zole-ST 10 EC	Do
Conazole 10 EC	Do			

		Propiconazole	Proud 25 EC Remedy 25 EC Apiconazole 25 EC P-Zole 25 EC Parazole 25 EC Rield 25 EC Rexizole 25 EC Promt 25 EC	750 ml Do Do Do Do Do Do Do
		Tebuconazole	Folicur EN 25	500 ml
	Dithiocarbamate	Propineb	Antracol 70 WP	2.0 Kg
		Mancozeb	Ricozeb 80 WP Rekazeb 80 WP Tazazeb 80 WP Adithane M- 45 Magic 80 WP Samthane 80 WP B-Zeb 80 WP Parazeb 80 WP Rexithane M-45 Astothane M-45 Bondage 80 WP	2.0 Kg Do Do Do Do Do Do Do Do Do Do
	Dithiocarbamate + Acyalanine	Mancozeb + Metalaxyl	Seadomil 72 WP Diomil 72 WP B-mil Gold 72 WP	2.0 Kg Do Do
	Quadartary ammonium	Timsen	Timsen	500 gm
	Dithiocarbamate + Benzimidazole	Mancozeb + Carbendazim	Mayor 75 WP	2.0 Kg
	Dithiocarbamate + Unclassified	Mancozeb + Cymoxanil	Ricomill 72 WP	2.0 Kg

Diseases	FUNGICIDES			Dose ha ⁻¹ in 1000 L water
	Chemical group	Common Name	Trade Name	
Red rust, Black rot, Die-back, Gall, Branch canker, Horse hair blight, Thread blight, Grey blight, Brown blight, Blister blight	Dicarboximide	Iprodine	Ruvelal 50 WP	1.0 Kg
	Strobilurin	Azoxystrobin	Sitro 25 SC	500 ml
			Rezobin 50 WG	500 gm
	Strobilurin+ Triazole	Azoxystrobin + Difenoconazole	Amistar Top 32.5 SC	750 ml
			Topstar 32.5 SC	Do
			Fuji 32.5 SC	Do
			Azofen 32.5 SC	Do
	Triazole	Difenoconazole+ Propiconazole	Differ 30 EC	750 ml
			Two Zole 30 SC PD Zole 30 EC Diezole 30 EC	Do Do Do
		Difenoconazole+ Propiconazole+ Tebuconazole	Dhumketu 36 EC	500 ml
	Triazole+ Strobilurin	Propiconazole+ Tricyclazole	D-Zole 52.5 EC	750 ml
	Chloronitrile	Chlorothalonil	Rotanil 50 SC	2.0L
	Triazole+ Strobilurin	Tebuconazole+ Trifloxystrobin	Rativo 75 WG	500 gm
Sarivo 75 WG Palki 75 WG			Do Do	
Reductase	Tricyclazole	M-Core 75 WP	3.0 Kg	
Benzimidazole+ Dimethyl dithiocarbamate	Carbendazim+ Thiram	Taopath 60 WP	1.0 Kg	
Dimethyl dithiocarbamate	Thiram	Rexithiram 50 SC	1.0 L	
Thiadiazole	Bismarthazole	Thiasol 20 WP	2.0 Kg	

	Dithiocarbamate+ Triazole	Zineb + Hexaconazole	Awal 72 WP	1.0 Kg
	Strobilurin+ Triazole	Azoxystrobin + Tebuconazole	Ulka 35 SC Select Plus 35 SC	750 ml Do
	Dicarbimide+ Dithiocarbamate	Iprodine+ Mancozeb	Relief 50 WP	2.0 Kg
Collar rot, Charcoal Stump rot, Violet root rot	Aldehyde	Formaldehyde	Formalin 40%	2.00 L

Weeds	POST EMERGENT WEEDICIDES			Dose ha ⁻¹ in 750 L water
	Chemical group	Common Name	Trade Name	
All monocot and Dicot weeds	Bipyridylum	Paraquat	Gramoxone 20 W/W	2.8 L
			Pillaroxone 20 W/W	Do
			Paraxone 20 W/W	Do
			Weedoxone 20 SL	Do
			Emiraxon 20 SL	Do
			Sikat 20 SL	Do
			Uniquat 20 SL	Do
			Squad 20 SL	Do
			Ranaquat 20	Do
			Sako 20 SL	Do
			Saaf 20 SL	Do
			Paracor 20 SL	Do
			Tak 20 SL	Do
			Weed Kill 20 SL	Do
			Emaxon 20 SL	Do
			Talaf 20 SL	Do
			Parason 20 SL	Do
			Paraclean 20 SL	Do
			Newraxon 20 SL	Do
			Gmoxone 20 SL	Do
			Saraquat 20 SL	Do
			Clear 20 SL	Do
			Para Link 20 SL	Do
			Prestige 20 SL	Do
			Fairquat 20 SL	Do
			Aroquat 20 SC	Do
			Paratok 20 SL	Do
			Samaxone 20 SL	Do
			Paradoll 20 SL	Do
			Paradox 20 SL	Do
			Paraxon 20 SL	Do
			Parasun 20 SL	Do
			Padi 200 SL	Do
Coraxone 20 SL	Do			
Greatzole 20 SL	Do			
L-Quat 20 SL	Do			
Usched 20 SL	Do			
Chatai 20 SL	Do			
Feat 13 SL	4.0 L			
Wellweeder 27.6 SL	2.5 L			
	Glycine Derivative	Glyphosate	Roundup 41 SL	3.5 L
			Sun up 41 SL	Do
			Pararound 41 SL	Do
			Durdanta 48 SL	Do
			Forwasate 41 SL	Do
			Pillaround 41 SL	Do
			Edround 41 SL	Do

Weeds	POST EMERGENT WEEDICIDES			Dose ha ⁻¹ in 750 L water
	Chemical group	Common Name	Trade Name	
All monocot and Dicot weeds	Glycine Derivative	Glyphosate	Ridweed 41 SL	3.5 L
			Kleenup 48 SL	Do
			Glycel 41%	Do
			Comsate 41%	Do
			Limsate 41 SL	Do
			Roundphos 48 SL	Do
			Eonphosate 48 SL	Do
			Glyfocel 41 SL	Do
			Weedkill 48 SL	Do
			Biester cine 41 SL	Do
			Linphosate 48 SL	Do
			Amcoround 40 W/W	Do
			Totalub 48 SL	Do
			Eround 41 SL	Do
			Emiround 48 SL	Do
			Hayphosate 41 SL	Do
			Bairound 41 SL	Do
			Sweep 41%	Do
			Amround 41%	Do
			Ecoround 41 SL	Do
			Verve 41 SL	Do
			Shell 41 SL	Do
			Phosate 48 SL	Do
			Norphosate 48 SL	Do
			Lindasate 41 SL	Do
			M-Fosate 41 SL	Do
			Fasal up 48 SL	Do
Weed supper 41 SL	Do			
Ginphosate 41%	Do			
Vanish 41 SL	Do			
Winsate 48 SL	Do			
Coco 62 SL	2.5 L			
Jarfa 62 SL	Do			
Speed 71 SG	2.5 Kg			
Glycine Derivative + Aryloxyalkanoic acid	Glyphosate + 2, 4- D Salt	Bimastar 24/ 12 AS Glysalt 24+12 SL	3.5 L Do	
Glycine Derivative + Triazine	Glyphosate + Terbutylazine	Folar 43 FW	3.5 L	
Glycine Derivative+ Aryloxyalkanoic acid	Glyphosate + MCPA	Rapid 40.50%	3.5 L	
Bipyridylum + Glycine Derivative	Paraquat + Glyphosate	Glyquate 61 SL	3.0 L	
Triazolinone+ Glycine Derivative	Carfentrazone-ethyl + Glyphosate	Trigger 36.5 EW	2.0 L	
Imidazolinone	Imazapray	Image 21.48 SL	3.0 L	

Weeds	POST EMERGENT WEEDICIDES			Dose ha ⁻¹ in 750 L water
	Chemical group	Common Name	Trade Name	
All monocot and Dicot weeds	Pyrimidinyloxydenzoic+ Sulfonylurea	Bispyribac Sodium+ Bensulfuron-Methyl	Relt 30 WP	2.5 Kg
			Triazinone	Metribuzin
Broad leaf weeds	Aryloxyalkanoic Acid	2, 4- D Amine Salt	2, 4- D	2.8 L
			Fernifine/ U 46 fluid	Do

			Kem Amine 48 SL Weed Clean 48 SL 2, 4- D weeder 72% Just 48 SL Delete 48 SL Force 48 SL Chiruni 72 SL Sodamine 72 SL Wellamine 72 SL Kolime 48 SL Winmine 48 SL	Do Do Do Do Do Do Do Do Do Do
All grasses	Helogenated Alkanoic acid	Dalapon Sodium	Dalapon 74 SP Dowpon 74 SP Basfapon 74 SP Dalspray 74 SP	6.72 kg Do Do Do

Weeds	PRE EMERGENT WEEDICIDES			Dose ha ⁻¹ in 400 L water
	Chemical group	Common Name	Trade Name	
Weeds in Nursery	Triazine	Simazine	Simazine 50 WP	2.0 kg
		Ametryn	Ametryn 50 WP	Do
Weeds in Nursery	Chloroacetamide	Butachlor	Butachlor 32 EC	2.25 L
			Canon 5 G	20.0 Kg
			Betaplus 5 G	Do
			Danchlor 5 G	Do
			Rajchlor 5 G	Do
			Sitachlor 5 GR	Do
			Chinochlor 5G	Do
Weeds in Plantation	Triazine	Indaziflam	BecAno 50 SC (Alion)	150 ml

Some Important points to be considered during Disease and Weed Management

Storage:

1. Fungicides and weedicides must be labeled properly and stored separate from other pesticides.
2. These have a high oral and dermal toxicity, therefore, must be kept away from food and always must be kept under locked condition.

Planning and Exestuation

1. Be sure about the identity and location of the disease causing organisms and type of the weeds to be controlled.
2. Weeds should be controlled before flowering.
3. Weedicides should be applied on actively growing young succulent weeds.
4. When weeds become hardy and taller than 9 inches, always slash the weeds at 6-9 inches and wait for the re-growth before applying any weedicides.

While applying Fungicides and Weedicides:

1. Always read the labels carefully and follow the written instructions of the label.
2. Use separate sprayers for applying fungicides and weedicides.
3. Fungicides should be applied with Cone Nozzle, while weedicides should be sprayed with Flood Nozzle.
4. Always use clean water to make spray solution.
5. Care should be taken to avoid drift of weedicides on tea bush.
6. Do not use weedicides in windy and rainy days.
7. Never spray against the wind.

- ✓ Strictly follow the BTRI recommended doses.
- ✓ Pesticides must always be purchased from Registered Dealers.

This supersedes all previous circulars from BTRI regarding approved fungicides and weedicides for Bangladesh Tea.

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