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*Please address all correspondence to the Chief Executive Officer*

06 November 2023

To: All Tobacco Growers  
cc: Contractors  
Merchants  
Agrochemical Companies

Dear Grower

### **AGROCHEMICALS APPROVED BY THE TOBACCO RESEARCH BOARD: 06 NOVEMBER 2023**

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The Tobacco Research Board as mandated by the Tobacco Marketing and Levy Act [Chapter 18:20] continually tests, approves and monitors all Crop Protection Agents (CPAs) for use on tobacco under the Pesticide Approval Scheme Service (PASS). The Act further states that: “No person shall treat any tobacco with a remedy which is not registered nor reap or offer for sale any tobacco treated with a non-registered remedy” (Sec. 65). Furthermore, “Any tobacco so treated will be destroyed without compensation to the grower” (Sec. 66), and this Legislation has been used to destroy tobacco in the field or offered for sale where the regulations are infringed.

As over 90% of the Zimbabwean tobacco crop is exported, the tobacco must meet stringent international agrochemical regulations for international acceptance and maintenance of markets especially in an increasingly competitive global market. Furthermore, in compliance with global health standards, correct and safe use of crop protection agents as well as good agronomic practices in tobacco production are key to sustainable agriculture.

The agrochemicals approved for use on tobacco by the Tobacco Research Board during the last quarter of 2023 are shown in Table 1. Any agrochemical not appearing in the table is either not currently countenanced by the

TRB or has been removed from the list of approved agrochemicals based on the provisions of the new Pesticide Approval Scheme Service which came into effect on 1 July 2011. The list of agrochemicals which have been withdrawn from use on tobacco and which TRB no longer approves or whose approvals will not be renewed are shown in Table 2.

Should there be any queries regarding the above, or if further information on a particular product is required, please feel free to contact Kutsaga Research Station's Crop Production & Molecular Technologies and Plant Health Services Divisions on telephone (0242) 2575 289-94 or toll-free, 0800 4511 or Email: tobres@kutsaga.co.zw or visit Kutsaga Research Station, Airport Ring Road, Harare.

Yours faithfully,



Rhoda Mavuka

**Pesticide Approval Scheme Service**



**TABLE 1: AGROCHEMICALS APPROVED FOR USE ON TOBACCO – 06 NOVEMBER 2023**

CHEMICAL NAME*	TRADE NAME	COMPANY	TRB CERT. NUMBER		EXPIRY DATE
			DISTRIBUTOR	OLD	
<b>FUNGICIDES</b>					
Azoxystrobin <sup>G</sup>	Azoxystrobin 250 SC	Magchem	20-22-B-06	22-25-B-32	23-Mar-25
Azoxystrobin + Difenconazole <sup>G</sup>	Othello Top	Cropserve	18-21-B-111	21-24-B-33	11-Apr-24
	Supertop 32.5 SC	CP Chemicals	18-21-B-79	21-24-B-121	18-Jul-24
	Sky 32.5 SC	TSA	19-21-B-32	22-24-B-06	06-Sept-24
	Amistar Top	Syngenta	19-21-B-35	22-24-B-10	25-Nov-24
	Azoxy Duo	Magchem	20-22-B-06	22-25-B-31	23-Mar-25
	Garrison 350 SC	Cropserve	20-22-B-72	22-25-B-66	12-Oct-25
Azoxystrobin+tebuconazole <sup>G</sup>	Inhibit	Refiloe	N/A	21-24-B-46	07-Sept-24
<i>Bacillus Subtilis</i>	Serenade ASO	Bayer	N/A	22-25-B-79	31-Oct-25
Chlorothalonil <sup>G</sup>	Bravo 720 SC	Syngenta	15-18-B-21	21-24-B-43	04-Jan-24
	Chlorothalonil 500 SC	TSA	20-21-B-27	21-24-B-54	18-Mar-24
	Chlorothalonil 720 SC	Magchem	N/A	22-25-B-42	23-Mar-25
	Mycoguard	Polachem	19-22-B-58	22-25-B-77	12-Sep-25
Copper oxychloride <sup>A</sup>	Copper oxychloride	Magchem	21-22-B-42	22-25-B-29	23-Mar-25
Mancozeb <sup>G</sup>	Mancozeb 80 WP	TSA	20-21-B-42	21-24-B-50	18-Mar-24
	Mancozeb 800 WP	Refiloe	18-21-B-20	21-24-B-37	19-Mar-24
	Mancozeb 800WP	Magchem	19-22-B-38	22-25-B-28	23-Mar-25
Metalaxyl+Mancozeb <sup>A</sup>	Metalman	ZFC	17-18-B-77	21-23-B-78	21-Dec-23
	Metalaxyl + Mancozeb 68 WP	CP Chemicals	18-21-B-49	21-24-B-120	09-Jul-24
	Crater Mix	Polachem	19-22-B-70	22-25-B-75	07-Sept-25
Rheum officinale + Azoxystrobin	Okida SC	Cropserve	N/A	23-24-B-08	25-Jan-24
Tebuconazole <sup>G</sup>	Tebuconazole 250 EC	Prime Agro	N/A	21-24-B-83	02-May-24
	Folicur 250 EC	Bayer	N/A	23-26-B-36	02-May-26
Triadimenol	Shavit 25 EC	TSA	20-21-B-28	21-24-B-52	18-Mar-24
	Triadimenol 250 EC	Fercochem	18-21-B-31	21-24-B-57	11-May-24

	Triadimenol	Optimum Agro	N/A	22-24-B-73	14-Apr-24
	Tradimenol 250EC	Magchem	20-22-B-10	22-25-B-47	23-Mar-25
	Baytan 150 SF	Bayer	N/A	22-25-B-23	08-Apr-25
Trifloxystrobin <sup>G</sup>	Twist 500 SC	Bayer	18-21-B-21	21-24-B-38	07-Mar-24

\* Please refer to the Flue-cured Tobacco Handbook Section H for rates and recommendations

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### HERBICIDES

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Clomazone <sup>G</sup>	Clomazone 48 EC	TSA	18-21-C-29	21-24-C-56	18-Mar-24
	Clomazone 480 EC	Prime Agro	N/A	21-24-C-84	30-May-24
	Clomazone 48 EC	Astra Chemicals	N/A	22-24-C-24	06-Oct-24
	Clomazone 480 EC	Magchem	19-22-C-54	22-25-C-27	23-Mar-25
	Warrior	Refiloe	19-22-C-19	22-25-C-19	15-Mar-25
	Command 48 EC	Optimum Agro	19-22-C-71	22-25-C-74	22-Jul-25
	Clomazone 48 EC	Nutrimaster	N/A	23-25-C-11	03-Jun-25
	Clomazone 480 EC	Expert Choice	N/A	23-25-C-29	20-Jun-25
	Command	Pivotal	19-22-C-48	22-25-C-74	22-Jul-25
Dimethenamid-P	Frontier Optima	Pivotal	20-23-C-89	23-26-C-45	05-Sep-26
Fluazifop-p-butyl <sup>G</sup>	Fusilade Forte 150 EC	Syngenta	N/A	21-24-C-42	13-Jan-24
Propaquizafop <sup>G</sup>	Propaquizafop 10 EC	CP Chemicals	18-21-C-52	21-24-C-119	09-Jul-24
S-Metolachlor <sup>G</sup>	S-Metolachlor	Refiloe	18-20-C-88	23-26-C-40	05 June-26
	Rush 960 EC	Cropserve	19-21-C-05	21-24-C-66	13-Jun-24
	Intercept 960 EC	Cropserve	20-22-C-73	22-25-C-13	14-Apr-25
	S-Metolachlor 960	Magchem	20-22-C-09	22-25-C-49	23-Mar-25
	S-Metolachlor 960 EC	Optimum Agro	N/A	23-24-C-22	15-Apr-24
	Baseline	Polachem	19-22-C-22	23-25-C-34	26-Jul-25
S-metolachlor+ flumetsulum <sup>G</sup>	Formula One	Fossil Agro	N/A	22-24-C-63	04-Aug-24
Sulfentrazone <sup>G</sup>	Authority 480SC	Polachem	18-21-C-19	20-24-C-62	06-Feb-24
	Ethos 480 EC	Cropserve	19-21-C-06	21-24-C-63	13-Jun-24
	Sulfentrazone 48 EC	CP Chemicals	18-21-C-78	21-24-C-99	06-Jul-24
	Authority 480 SC	Pivotal	18-21-C-104	21-24-C-116	07-Oct-24
	Sulfentrazone 480 SC	Refiloe	19-22-C-17	22-25-C-16	17-Mar-25
	Sulfentrazone 480 SC	Magchem	20-22-101	22-25-C-48	23-Mar-25

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**SUCKERCIDES**

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N-Decanol <sup>6</sup>	N-Decanol 79 EC	TSA	20-21-G-18	21-24-G-49	18-Mar-24
	N-Decanol	CP Chemicals	18-21-G-61	21-24-G-92	09-Jul-24
	Thekanol	Fercochem	18-21-G-96	21-24-G-112	02-Oct-24
	N-Decanol	Magchem	N/A	22-25-G-46	23-Mar-25
	Sucker-Tac	Polachem	19-22-G-34	22-25-G-21	12-May-25
	N-decanol	Cropserve	19-22-G-75	22-25-G-25	12-Jun-25
	Avi N-Decanol	Fercochem	19-22-G-60	22-25-G-59	16-Jul-25
	N-Decanol 79 EC	Optimum Agro	N/A	23-24-G-26	15-Apr-24
Flumetralin <sup>6</sup>	Flumex 150 EC	Cropserve	18-21-G-33	21-24-G-64	13-Jun-24
	FluPro EC	Bancella	N/A	23-26-G-40	29-Aug-26
	Primal 125 EC	Fercochem	18-21-G-34	21-24-G-88	08-Jul-24
	Prime+ 125 EC6	Syngenta	19-21-G-09	21-24-G-110	11-Aug-24
	Flumetralin 150 EC	Optimum Agro	N/A	23-24-G-28	15-Apr-24
	Defeat	Cropserve	20-22-G-71	22-25-G-14	14-April-25
	Topper 12.5 EC	Polachem	19-22-G-59	22-25-G-51	18-Aug-25
Flumetralin Decanol <sup>6</sup>	+N- Flumetralin Duo	Magchem	N/A	21-24-G-20	31-Jan-24

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**GROWTH REGULANTS AND FERTILISERS**

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Ethephon <sup>6</sup>	Ethephon 480 SL	Magchem	19-22-G-55	22-25-G-35	23-Mar-25
	Ethephon 480 SL	Expert Choice	N/A	23-25-G-18	20-Jun-25

**Please refer to the Flue-cured Tobacco Handbook Section D for rates and recommendations**

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**INSECTICIDES**

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Abamectin +Acetamiprid <sup>G</sup>	Abamectin + Acetamiprid	Curechem	N/A	21-24-D-114	26-Sept-24
	Orizon	Cropserve	19-22-D-74	22-25-D-26	12-Jun-25
Acetamiprid <sup>A</sup>	Acetamiprid 20 SP	CP Chemicals	18-21-D-75	21-24-D-97	09-Jul-24
	Acetamiprid 200 SP	Magchem	N/A	22-25-D-30	23-Mar-25
	Acetamiprid 20 SP	Nutrimaster	N/A	23-25-D-13	03-Jun-25
Acetamiprid+ Lambdacyhalothrin <sup>A</sup>	Avifast 60 EC	Fercochem	18-20-D-106	23-26-D-46	18-Sept-26
	Dash 60 EC	TSA	18-21-D-36	21-24-D-51	18-Mar-24
	Bullet 60 EC	Magchem	19-22-D-42	22-25-D-33	23-Mar-25
	Acetamiprid + Lambdacyhalothrin 60 EC	Optimum Agro	N/A	23-23-D-24	03-Dec-23
Acetamiprid+ Cypermethrin <sup>A</sup>	Aster Extrim 200 SL	Cropserve	18-21-D-112	21-24-D-67	13-Jun-24
Acetamiprid + Emamectine Benzoate	Optimizer 112 EC	Nutrimaster	N/A	23-25-D-12	03-Jun-25
	Acetamiprid+Emamectin Benzoate	Curechem	N/A	21-24-D-115	09-Oct-24
	Assassin	Expert Choice	N/A	23-26-D-42	15-Jun-26
	Spike Extra 11.2 EC	Z.F.C	N/A	21-23-D-117	30-Nov-23
Acetamiprid+ Indoxacarb <sup>A</sup>	Aryna	Polachem	N/A	23-25-D-33	09-Oct-25
Alphacypermethrin <sup>G</sup>	Fastac 10 EC	Pivotal	19-22-D-63	22-24-D-11	11-Dec-24
Cartap hydrochloride <sup>A</sup>	Cartap 500 SP	Magchem	19 -22-D-64	22 -25-D-34	23 -Mar-25
Chlorantraniliprole <sup>G</sup>	Prevathon 5 SC	Polachem	18-21-D-41	21-24-D-80	30-May-24
	Coragen 20 SC	Polachem	18-21-D-81	21-24-D-81	17-Jul-24
Chlorantraniliprole + Lambdacyhalothrin <sup>A</sup>	Ampligo 150 ZC	Syngenta	19-21-D-08	21-24-D-111	02-Jul-24
Cyntraniliprole <sup>G</sup>	Benevia 100D	Polachem	19-22-D-36	22-25-D-22	20-Jun-25

		Exirel	Polachem	N/A	22-25-D-76	16-Jun-25
Cytraniliprole Pymetrozine <sup>G</sup>	+	Plesiva Star 60 WG	Syngenta	21-23-D-59	23-26-D-17	19-Mar-26
Cyromazine <sup>A</sup>		Cyromazine 75 WP	CP Chemicals	18-21-D-53	21-24-D-105	09-Jul-24
		Cyclone	Cropserve	20-22-D-104	22-25-D-12	14-Apr-25
Deltamethrin <sup>G</sup>		Decis Forte	Bayer	20-23-D-02	23-26-D-14	22-Jan-26
		Deltra 2.5 EC	Cropserve	N/A	23-24-D-05	20-Sept-24
		Deltamethrin 10 EC	Optimum Agro	N/A	23-23-D-25	03-Dec-23
Dimethoate <sup>R</sup>		Dimethoate 40 EC	Fercochem	18-21-D-94	21-24-D-113	22-Sep-24
		Dimethoate 40 EC	ZFC	18-21-D-97	21-24-D-118	20-Oct-24
		Dimethoate 40 EC	Polachem	N/A	22-25-D-53	06-Feb-25
		Dimethoate 40 EC	Magchem	N/A	22-25-D-43	23-Mar-25
Emamectine Benzoate <sup>G</sup>		Spear 1.92 EC	CP Chemicals	18 -20-D-51	21-24-D-97	09 -Jul-24
Emamectine Benzoate + Shockwave Acetamiprid <sup>G</sup>			Cropserve	20-22-D-105	22-25-D-60	02-Sept-25
		Super Dash	TSA	18-21-D-32	21-24-D-45	18-Mar-24
		Emamectin + Acetamiprid	Curechem	N/A	21-24-D-115	08-Sep-24
Emamectin benzoate + Lufenuron <sup>G</sup>		Hurricane 500 WDG	Cropserve	N/A	21-24-D-34	25-May-24
Flubendiamide <sup>G</sup>		Belt 480 SC	Bayer	19-22-D-67	22-25-D-78	31-Oct-25
Flupyradifurone <sup>G</sup>		Sivanto Prime	Bayer	20-23-D-69	23-26-D-16	22-Jan-26
Gamma -cyhalothrin		Vantex	Pivotal Agro	2 1-23-D-109	2 3-26-D-37	24 -Feb-26
Imidacloprid <sup>G</sup>		Imidacloprid 200 SL	CP Chemicals	18-21-D-48	21-24-D-93	09-Jul-24
		Imidacloprid 200 SL	TSA	20-21-D-30	22-24-D-07	28-Aug-24
		Imidacloprid 200 SL	Prime Agro	N/A	21-24-D-85	09-Nov-24

	Imidaking 200 SL	Cropserve	19-22-D-20	22-25-D-04	04-Feb-25
	Imidacloprid 200 SL	Magchem	19-22-D-43	22-25-D-38	23-Mar-25
	Imidacloprid 200 SL	Fercochem	19-22-D-61	22-25-D-56	16-Jul-25
	Imidacloprid 200 SL	Optimum Agro	N/A	23-24-D-23	15-Apr-24
Imidacloprid <sup>A</sup>	Imidacloprid 350 SC	Refiloe	18-21-D-91	21-24-D-36	19-Mar-24
	Imidacloprid 350 SL	CP Chemicals	18-21-D-47	21-24-D-95	09-Jul-24
	Imidaking 350 SC	Cropserve	19-22-D-15	22-25-D-03	27-Feb-25
	Imidacloprid 350 SC	Magchem	20-22-B-07	22-25-D-39	23-Mar-25
	Imidacloprid 350 SC	Fercochem	19-22-D-62	22-25-D-57	16-Jul-25
	Imidacloprid 350 SC	Nutrimaster	N/A	23-25-D-10	03-Jun-25
	Bandit 350SC	Polachem	19-21-D-02	21-24-D-125	31-Oct-24
Imidacloprid <sup>A</sup>	Gaucho 600 FS	Bayer	18-21-D-40	21-24-D-89	20-Apr-24
Imidacloprid <sup>A</sup>	Confidor 70 WG	Bayer	20-23-D-01	23-26-D-15	22-Jan-26
	Imidacloprid 70 WG	CP Chemicals	18 -21-D-50	21 -24-D-94	11 -Jun-24
Imidacloprid + Betacyfluthrin <sup>A</sup>	Imidacloprid + cyfluthrin 140 OD	Beta- Expert Choice	N/A	23-24-D-19	31-Aug-24
Indoxacarb <sup>G</sup>	Missile	TSA	18-21-D-28	21-24-D-55	18-Mar-24
	Steward 150 EC	Polachem	18-21-D-42	21-24-D-70	10-Jun-24
	Indoxacarb 150 SC	CP Chemicals	18-21-D-66	21-24-D-100	09-Jul-24
	Blanket	Pivotal	19-22-D-47	22-25-D-54	27-Jul-25
Indoxacarb Acetamiprid <sup>G</sup>	+ Acclima 240 EC	Refiloe	N/A	21-24-D-47	15-Apr-24
	Attitude 80 SC	Cropserve	N/A	23 -25-D-04	10 -Dec-25
	Aryna 46 EC	Polachem	19-22-D-57	23-25-D-33	09-Oct-25
Lambdacyhalothrin <sup>R</sup>	Karate Zion 5 EC	Syngenta	21-23-D-27	23-26-D-30	09-Mar-26
	Lambda-cyhalothrin	ATS	19-21-D-28	21-24-D-106	27-Aug-24
	Lambda-cyhalothrin 50 EC	Magchem	19-22-D-39	22-25-D-40	23-Mar-25
	Lambda-cyhalothrin 50 EC	Refiloe	19-22-D-28	22-25-D-18	26-Mar-25
	Lambda-cyhalothrin 5 EC	Nutrimaster	N/A	23-25-D-09	03-Mar-25
	Fortis K	Polachem	N/A	23-25-D-32	09-Oct-25
Lufeneuron + Emmamectin benzoate	Hurricane 500WG	Cropserve	20-21-D-03	21-24-D-34	23-May-24
Pymetrozine <sup>G</sup>	Chess 50 WG	Syngenta	N/A	21 -24-D-60	05 -Jan-24
Tetraniliprole <sup>G</sup>	Vayego 200 SC	Bayer	N/A	20-23-D-21	21-May-24



Thiacloprid <sup>A</sup>	Calypso 480 SC	Bayer	18-21-D-39	21-24-D-90	09-Jun-24
Thiamethoxam <sup>G</sup>	Thiara	Pivotal Agro	N/A	21-24-D-98	22-Sep-24
	Thiamex	Polachem	19-22-D-46	22-25-D-52	19-Aug-25
	Actara	Syngenta	N/A	23-26-D-31	20-Mar-26

\* Please refer to the Flue-cured Tobacco Handbook Section I for rates and recommendations

\* Toxicity colour triangle code (G-Green, A-Amber, R-Red, P-Purple)

NEMATOCIDES					
1,3 Dichloropropene <sup>P</sup>	Telone II	Polachem	18-21-E-18	21-24-E-19	09-Feb-24
Cyclobutrifluram	Vaniva 450 SC	Syngenta	N/A	23-24-E-35	01-Jul-24
Dazomet <sup>A</sup>	Serpent GR	Cropserve	19-21-E-04	21-24-E-64	13-Jun-24
Fenamiphos <sup>P</sup>	Fenamiphos 40 EC	Fercochem	19-22-E-11	22-25-E-01	03-Feb-25
	Fenamiphos 10 G	Fercochem	19-22-E-12	22-25-E-02	11-Jan-25
Metam Sodium <sup>P</sup>	Metham Sodium 50 SL	TSA	18-21-E-37	21-24-E-53	18-Mar-24
	Metam Sodium	Refiloe	N/A	22-25-E-19	07-Feb-25
	Metham Sodium 510 SL	Polachem	N/A	23-25-C-07	21-Dec-25
	Herbifume 510 SL	Magchem	20-22-E-11	22-25-E-41	23-Mar-25
	Metam sodium 510 SL	Fercochem	17-20-E-84	23-26-E-47	15-Oct-23
	Metham Sodium 50SL	TSA	20-21-E-34	21-24-E-53	18-Mar-24
Oxamyl <sup>P</sup>	Vyten 10 GR	Cropserve	18-21-E-110	21-24-E-32	11-Apr-24
	Blockade G	Polachem	18-21-E-46	21-24-E-68	06-Jul-24
	Oxamyl 310 SL	Refiloe	18-21-E-90	21-24-E-107	27-Sept-24
	Oxamyl 100 GR	Refiloe	18-21-E-89	21-24-E-108	27-Sept-24
	Oxamyl	Optimum Agro	N/A	22-25-E-70	31-Jan-25
	Blockade SL	Polachem	N/A	22-25-E-20	23-Mar-25
	Oxamyl 310 SL	Magchem	19-22-E-40	22-25-E-50	23-Mar-25
	Oxamyl 310 SL	Optimum Agro	N/A	23-25-E-21	31-Jan-25
Fluopyram <sup>G</sup>	Velum Prime 400 SC	Bayer	18-20-E-121	21-24-E-08	22-Jan-24


\* Please refer to the Flue-cured Tobacco Handbook Section G for rates and recommendations

**TABLE 2: AGROCHEMICALS WHICH ARE NO LONGER RECOMMENDED FOR USE ON TOBACCO**

<b>ACTIVE INGREDIENT</b>	<b>CATEGORY</b>
Aldicarb	Nematicide
Acephate	Insecticide
Fenvalerate	Insecticide
Methamidophos	Insecticide
Monocrotophos	Insecticide
Thiodicarb	Insecticide
Benomyl	Fungicide
Alachlor	Herbicide
Dimethenamid	Herbicide
Metolachlor	Herbicide
Trifluralin	Herbicide
Butralin	Growth Regulant
Chlorpyrifos	Insecticide
Methomyl	Insecticide
Pendimethalin	Suckercide

*Sent by Kutsaga as a service to growers to ensure sustainable and responsible tobacco production.*



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