Fungicides

Group-based reference for the Indigo fungicide portfolio. Products containing more than one active appear in each relevant row. Full premix groups are listed on page 5.

Group	Mode of action	Chemical family	Active constituent	Indigo product
1	MBC; inhibits cell division	Thiophanates	Thiophanate-methyl	Clean Sweep Trio
2	Dicarboximide; disrupts osmotic signalling	Dicarboximides	Iprodione	Voltar GT 250SC; Voltar 500SC
3	DMI; inhibits sterol synthesis	Triazoles	Propiconazole	Regiment 550EC
3	DMI; inhibits sterol synthesis	Triazoles	Tebuconazole	Clean Sweep Trio; Envixa Duo; Tombstone Duo / Tombstone Disease Control
4	Phenylamide; inhibits RNA synthesis	Acylalanines	Metalaxyl-M	Solitaire 240ME
7	SDHI; inhibits respiration at complex II	Pyridine-carboxamides	Boscalid	Counterattack Duo
11	QoI; inhibits respiration at complex III (Qo site)	Methoxy-acrylates	Azoxystrobin	Azo-Force 250SC; Envixa Duo
11	QoI; complex III (Qo site)	Methoxy-carbamates	Pyraclostrobin	Counterattack Duo
11	QoI; complex III (Qo site)	Oximino-acetates	Trifloxystrobin	Tombstone Duo / Tombstone Disease Control
21	QiI; complex III (Qi site)	Cyano-imidazoles	Cyazofamid	Segway 400SC
28	Affects membrane function / lipid synthesis	Carbamates	Propamocarb	Shrapnel 600SL
29	Uncouples oxidative phosphorylation	2,6-dinitroanilines	Fluazinam	Clean Sweep Trio
M3	Multi-site contact activity	Dithiocarbamates	Thiram	Pistol 600SC
M5	Multi-site contact activity	Chloronitriles	Chlorothalonil	Squadron Weatherace 720SC
P07 (33)	Phosphonate; host defence induction and direct activity	Ethyl phosphonates	Fosetyl-aluminium	Grenadier 800WG

Read the group code first
Envixa Duo and Tombstone Duo both contain Groups 3 + 11. Changing between them does not provide a change of mode of action groups.

Sources: CropLife Australia 2026 fungicide table; Indigo fungicide portfolio and disease guide; Envixa Duo manufacturer label [1, 4, 7, 8]. P07 is the current classification; 33 may remain on product labels. Product names in these tables generally omit the ProForce prefix.

Insecticides & miticides

Current insecticide group codes identify the target site. A shared group can occur in products sold for different pests or situations; use patterns remain product-specific.

Group	Primary target site	Chemical family	Active constituent	Indigo product
2B	Blocks GABA-gated chloride channels	Phenylpyrazoles	Fipronil	TermiForce 100SC
3A	Modulates sodium channels	Pyrethroids	Bifenthrin	Rumbler 100SC
4A	Competitive modulation of nicotinic acetylcholine receptors (nAChR)	Neonicotinoids	Imidacloprid	Recruit 200SC
4A	nAChR competitive modulator	Neonicotinoids	Thiamethoxam	Echelon Duo Advanced - insecticide component
4A	nAChR competitive modulator	Neonicotinoids	Clothianidin	Retreat 200SC; Scarlet Trio Advanced
5	Allosteric modulation of nAChR - site I	Spinosyns	Spinosad	Curatol 120SC
6	Allosteric modulation of glutamate-gated chloride channels	Avermectins	Abamectin	Malice 18; Malice Duo Advanced; Scarlet Trio Advanced
10A	Mite growth inhibition affecting chitin synthase 1 (CHS1)	Tetrazines	Clofentezine	Malice Duo Advanced; Scarlet Trio Advanced
22A	Blocks voltage-dependent sodium channels	Oxadiazines	Indoxacarb	Strikezone 200SC
28	Modulates ryanodine receptors	Diamides	Chlorantraniliprole	Nexar 200SC

Combination products
Malice Duo Advanced: **6 + 10A**.
Scarlet Trio Advanced: **4A + 6 + 10A**.
Echelon Duo Advanced: **insecticide 4A** plus **herbicide 14**; these are separate classification systems.

A mixture does not make every component effective against every pest. Select an effective labelled treatment for the target pest and life stage, then follow the applicable resistance strategy and application limits.

Sources: CropLife Australia 2026 insecticide table; IRAC classification; Indigo insecticide portfolio [2, 5, 15]. Alamo formulation details remain to be confirmed; see page 7.

Turf & ornamental herbicides

Products with turf or ornamental uses in the published portfolio. This grouping does not imply that every product is safe on every turf species or ornamental plant.

Group	Mode of action	Chemical family	Active constituent	Indigo product
1	ACCase inhibition	Aryloxyphenoxy-propionates	Diclofop-methyl	Destro 375
2	ALS / AHAS inhibition	Sulfonylureas	Flazasulfuron	Chikara 250WG*
2	ALS / AHAS inhibition	Sulfonylureas	Iodosulfuron-methyl-sodium	Duke 100WG
2	ALS / AHAS inhibition	Sulfonylureas	Halosulfuron-methyl	ProSedge 750DF; Halo-Force 750WG
2	ALS / AHAS inhibition	Sulfonylureas	Trifloxysulfuron-sodium	Recondo 100WG
3	Microtubule assembly inhibition	Dinitroanilines	Pendimethalin	Battalia 435
3	Microtubule assembly inhibition	Dinitroanilines	Prodiamine	Onset 10GR
3	Microtubule assembly inhibition	Benzamides	Propyzamide	Checkpoint 500SC
4	Synthetic auxin; disrupts plant growth	Phenoxy-carboxylates	MCPA	Contra M; Warhead Trio; Weed Blast MA
4	Synthetic auxin	Benzoates	Dicamba	Contra M
4	Synthetic auxin	Pyridine-carboxylates	Clopyralid	Warhead Trio
6	Photosystem II inhibition	Nitriles	Bromoxynil	Weed Blast MA
12	Phytoene desaturase (PDS) inhibition	Phenyl-ethers	Diflufenican	Warhead Trio
14	Protoporphyrinogen oxidase (PPO) inhibition	Oxadiazoles	Oxadiazon	Echelon G; Echelon Duo Advanced
15	Very-long-chain fatty acid synthesis inhibition	Benzofurans	Ethofumesate	Array 500SC
0	Target site unresolved	Organoarsenicals	MSMA	Geronimo 800SL

Multiple actives can share one group
Contra M contains MCPA and dicamba, both Group 4. Warhead Trio contains three actives but two groups: **4 + 12**.

Sources: CropLife Australia 2026 herbicide table; Indigo herbicide portfolio and labels [3, 6, 9]. *Chikara active identity supplied by Indigo; see label confirmation note on page 7. Group 0 denotes an unresolved mode of action; it is not evidence of zero resistance risk.

Vegetation management herbicides

Non-crop, industrial and aquatic portfolio reference. Aquatic and other use approvals must be checked on the individual Australian product label.

Group	Mode of action	Chemical family	Active constituent	Indigo product
2	ALS / AHAS inhibition	Sulfonylureas	Metsulfuron-methyl	Met-Force 600WG
2	ALS / AHAS inhibition	Sulfonylureas	Flazasulfuron	Chikara 250WG*
2	ALS / AHAS inhibition	Imidazolinones	Imazapyr	Clearpath 750SG
4	Synthetic auxin	Phenoxy-carboxylates	MCPA; 2,4-D	Contra M (MCPA); Scuba 300 (2,4-D)
4	Synthetic auxin	Benzoates	Dicamba	Contra M
4	Synthetic auxin	Pyridine-carboxylates	Picloram; clopyralid	Slinger 240 (picloram); Wallop 600 (clopyralid)
5	Photosystem II inhibition	Triazines	Terbuthylazine; simazine	Numchuk Quad (terbuthylazine); SimForce 500SC (simazine)
5	Photosystem II inhibition	Uracils	Bromacil	Renegade 800WG
9	EPSP synthase inhibition	Glycines	Glyphosate	Rapid Fire 510; Rapid Fire 800SG; Numchuk Quad
14	PPO inhibition	Diphenyl ethers	Oxyfluorfen	Cortex Duo; Numchuk Quad
14	PPO inhibition	Pyrimidinediones	Butafenacil	FastDraw 100EC
15	Very-long-chain fatty acid synthesis inhibition	Benzofurans	Ethofumesate	Array 500SC
34	Lycopene cyclase inhibition	Triazoles	Amitrole	Numchuk Quad
0	Target site unresolved; contact membrane injury	Fatty acids	Nonanoic acid	Cortex Duo
0	Target site unresolved	Chlorocarbonic acids	Flupropanate	Rejuvenate
0	Target site unresolved	Organoarsenicals	MSMA	Geronimo 800SL

Sources: CropLife Australia July 2026 classification; Indigo herbicide and IVM portfolios; APVMA Clearpath label [3, 6, 10, 11]. *Chikara active supplied in prior Indigo portfolio work; current Australian label was not available for review. Amitrole is now Group 34; older material may show 13 or Q.

Combination product lookup

Count distinct groups, then check whether each active is effective against the intended target. The group number is meaningful only within its pesticide category.

Indigo product	Active constituents	Groups	Interpretation
Clean Sweep Trio	Thiophanate-methyl + tebuconazole + fluazinam	1 + 3 + 29	Three fungicide groups
Counterattack Duo	Boscalid + pyraclostrobin	7 + 11	Two fungicide groups
Envixa Duo	Tebuconazole + azoxystrobin	3 + 11	Two fungicide groups
Tombstone Duo / Disease Control	Tebuconazole + trifloxystrobin	3 + 11	Same groups as Envixa Duo
Malice Duo Advanced	Abamectin + clofentezine	6 + 10A	Two insecticide / miticide groups
Scarlet Trio Advanced	Clothianidin + abamectin + clofentezine	4A + 6 + 10A	Three insecticide / miticide groups
Echelon Duo Advanced	Oxadiazon + thiamethoxam	H: 14 I: 4A	One herbicide group and one insecticide group; also contains fertiliser
Contra M	MCPA + dicamba	4	Two herbicide actives, one group
Warhead Trio	MCPA + clopyralid + diflufenican	4 + 12	Three herbicide actives, two groups
Weed Blast MA	MCPA + bromoxynil	4 + 6	Two herbicide groups
Cortex Duo	Nonanoic acid + oxyfluorfen	0 + 14	Current active classification; label panels may show Group 14 only
Numchuk Quad	Terbuthylazine + glyphosate + oxyfluorfen + amitrole	5 + 9 + 14 + 34	Four herbicide groups using July 2026 classification

Practical rotation checks
Recruit, Retreat and the insecticide component of Echelon Duo all belong to **4A**.
Malice 18, Malice Duo and Scarlet Trio all contain **Group 6**.
Duke, ProSedge, Recondo, Met-Force, Chikara and Clearpath all belong to **herbicide Group 2**.

Sources: product / active mapping from Indigo materials, with current CropLife and IRAC codes [1-11, 15]. Counterattack active mapping is supported by the published Indigo disease guide; its latest final label was not retrieved. H = herbicide; I = insecticide.

Growth regulators & supporting inputs

PGR classes and supporting-input functions are shown separately from pesticide resistance groups. A function description below is not an assigned HRAC, FRAC or IRAC group.

Plant growth regulators

Indigo product	Active constituent	Functional mode of action
Amigo 120ME / Amigo 175EC	Trinexapac-ethyl	Class A PGR; late-stage gibberellin biosynthesis inhibition reduces cell elongation and vertical shoot growth.
Regulate 200SC	Paclobutrazol	Class B PGR; early-stage gibberellin biosynthesis inhibition reduces shoot elongation.
Incognito 480SL	Ethephon	Ethylene-releasing PGR; modifies reproductive development to suppress Poa annua seedhead emergence.
Padre 270	Maleic hydrazide	Systemic growth regulator that suppresses cell division in growing tissues, reducing shoot growth and seedhead formation.

Other portfolio categories

Product / category	Constituent / system	Mode or classification treatment
Miticor 980G	Dazomet; label specifies 980 g/kg	Releases methyl isothiocyanate (MITC) in moist soil; broad fumigant activity. No single cross-category resistance code is assigned here.
Algae Aid	Quaternary ammonium compound	Contact biocidal action associated with membrane disruption. Not placed in the herbicide rotation table.
AgriTec Aquatic Algaecide	Copper sulphate pentahydrate	Copper-based algaecidal action. Do not infer a fungicide resistance code or use from its copper content.
HydroForce soil surfactants	Product-specific surfactant systems	Modify wetting, infiltration, water distribution or water retention; pesticide resistance groups are not applicable to these functions.
BioForce; Bio-Blast products	Product-specific microbial blends	Biological soil or water functions vary with the formulation and organisms. No blanket BM02, IRAC or HRAC code is assigned.
NutriForce; adjuvants; dyes	Nutrients or functional ingredients	Nutrition, spray performance, film formation or marking functions; outside the pesticide group tables.

Sources: Indigo PGR technical guides and labels; Miticor label; algaecide materials and downloads index [9, 12-14]. Supporting inputs are grouped by function; this is not a complete formulation inventory.

Reference notes & sources

Prepared 26 October 2026. This is a portfolio working reference, based on the accessible Indigo catalogue, labels and supplied product details. It is not a complete registration audit.

How to use these tables
Group codes follow CropLife Australia July 2026 and IRAC classifications. Older label codes are retained only where useful for recognition. Follow current labels, target-specific resistance strategies, seasonal limits and application windows. The 2008 Bayer chart was used as a layout reference only; its blanket rotation advice has not been carried forward.

Items requiring portfolio / label confirmation

Chikara 250WG: included with a flag using the supplied flazasulfuron identity. **Counterattack Duo:** published Indigo material confirms boscalid + pyraclostrobin; the latest final label could not be retrieved. **Alamo:** prior portfolio details refer to both 200SG and 200SC; confirm the marketed formulation and label before adding it (dinotefuran itself is Group 4A). **Procellacor FX, Comanche 800WDG, Novagreen Conquer / Edict / Trinity and proposed renamed supplier products:** excluded from the confirmed product tables pending current Indigo supply and label details.

Sources consulted

[1] CropLife Australia - Fungicide Activity Group Table (July 2026)

[2] CropLife Australia - Insecticide Mode of Action Table (July 2026)

[3] CropLife Australia - Herbicide Mode of Action Table (July 2026)

[4] Indigo - Fungicide portfolio

[5] Indigo - Insecticide / miticide portfolio

[6] Indigo - Herbicide portfolio

[7] Indigo - Disease Identification Guide (2023; active identities only)

[8] Indigo Envixa Duo - manufacturer label, hosted by Gilba Solutions

[9] Indigo - Label, SDS and technical guide downloads

[10] Indigo - IVM Product Portfolio (2025; active identities only)

[11] APVMA - ProForce Clearpath 750 SG label, 70142/154563

[12] Indigo - Amigo 120ME / 175EC, Regulate, Incognito and Padre technical guides

[13] Indigo - Miticor 980G label and leaflet, 96536/149714

[14] Indigo - Algae Aid label and AgriTec brochure (via downloads)

[15] IRAC - Mode of Action Classification

Source titles above are clickable. Active identities and classifications are a reference aid; product listing does not establish current stock, registration status, tank-mix compatibility or an approved target use.