



GOVERNO DE
PORTUGAL

MINISTÉRIO DA AGRICULTURA
E DO MAR

dgav
Direção Geral
de Alimentação
e Veterinária

2014 **Volume III**

Proteção Integrada das Culturas

Efeitos Secundários dos Produtos Fitofarmacêuticos

**MINISTÉRIO DA AGRICULTURA E DO MAR,
DIREÇÃO-GERAL DE ALIMENTAÇÃO E VETERINÁRIA**

PROTEÇÃO INTEGRADA DAS CULTURAS

(Ao abrigo da alínea b), do art. 3º e do nº 4 do artº 11º do Decreto-Lei nº 37/2013,
de 13 de março)

VOLUME III – Efeitos secundários dos produtos fitofarmacêuticos

Lisboa

2014

Atualizado a julho de 2014

INTRODUÇÃO

Os produtos fitofarmacêuticos devem ser objeto de uma utilização adequada, de acordo com a respetiva autorização, tendo em conta os princípios da proteção integrada, conferindo, sempre que possível, prioridade a alternativas não químicas com vista a assegurar um nível elevado de proteção da saúde humana, animal e do ambiente.

De acordo com a Lei nº 26/2013, de 11 de abril, desde 01 de janeiro de 2014, é obrigatória a aplicação dos princípios gerais da proteção integrada por todos os utilizadores profissionais.

Um dos princípios gerais da proteção integrada constantes do anexo II da referida Lei, nomeadamente o 5º princípio prevê que “os produtos fitofarmacêuticos aplicados devem ser tão seletivos quanto possível para o fim em vista e terem o mínimo de efeitos secundários para a saúde humana, os organismos não visados e o ambiente”. A aplicação deste princípio exige o conhecimento da toxicidade para o Homem, para os organismos não visados, entre os quais, os artrópodes auxiliares, e dos efeitos no ambiente dos produtos fitofarmacêuticos autorizados. Impõe-se, portanto, que nesta perspetiva, sejam os utilizadores profissionais informados das características de toxicidade e possíveis efeitos de cada produto fitofarmacêutico autorizado para determinada finalidade para que, respeitando os princípios acima referidos, possa tomar a decisão mais adequada para o problema fitossanitário em causa, relativamente à escolha, de entre todos os meios disponíveis, do produto fitofarmacêutico com menor impacto.

Para esse efeito, apresenta-se neste documento, a informação subjacente à caracterização toxicológica, ecotoxicológica, ambiental e relativa aos artrópodes auxiliares, para permitir ao utilizador profissional a seleção do produto fitofarmacêutico (inseticidas, fungicidas ou herbicidas) dentro do conjunto de produtos fitofarmacêuticos autorizados para uma dada finalidade, o mais adequado, de forma a cumprir com o princípio geral supra referido, de carácter obrigatório desde 1 de janeiro de 2014.

No que diz respeito aos aspetos toxicológicos, ecotoxicológicos e ambientais, a informação apresentada baseia-se na classificação toxicológica e ambiental atribuídas a cada produto, bem como frases de Risco específicas (Frases R) consideradas relevantes para a caracterização do produto. São ainda consideradas, quando pertinente, frases específicas de Segurança previstas no Regulamento de implementação (CE) nº 547/2011, de 08 de junho, relativo à rotulagem de produtos fitofarmacêuticos. Estas frases de Segurança são estabelecidas para categorização do risco/perigo associado aos produtos, o qual tem, inerente, também, o estabelecimento de medidas de mitigação dos riscos identificados, com vista à proteção de outros organismos não visados, nomeadamente aves e outros mamíferos terrestres, abelhas e outros polinizadores, quando da autorização de colocação no mercado desses produtos.

Estando, presentemente, a classificação, embalagem e rotulagem de produtos fitofarmacêuticos a beneficiar de um regime provisório, que permite a transição faseada entre a classificação dos produtos ainda de acordo com os critérios da Diretiva 1999/45/CE¹ e de acordo com os critérios da mais recente legislação relativa à classificação, embalagem e rotulagem de substâncias e misturas, nomeadamente, o Regulamento 1272/2008/CE² (Regulamento CLP) podem ainda ser colocados no mercado produtos fitofarmacêuticos rotulados com base nos critérios da Diretiva, até à data de 01 de junho de 2015.

Assim, no que diz respeito à toxicidade para o Homem e para o Ambiente a classificação dos produtos fitofarmacêuticos ainda é apresentada de acordo com os critérios da Diretiva, uma vez que a esmagadora maioria dos produtos fitofarmacêuticos presentemente colocados no mercado ainda se encontram rotulados em conformidade. Posteriormente, a caracterização dos produtos será apresentada em conformidade com os critérios do Regulamento CLP.

¹ **Diretiva nº 1999/45/CE do PE e do CONS, de 31 de maio**, relativa à aproximação das disposições legislativas, regulamentares e administrativas dos Estados-membros respeitantes à classificação, embalagem e rotulagem das preparações perigosas;

² **Regulamento 1272/2008/CE do PE e do CONS, de 16 de dezembro**, relativo à classificação, rotulagem e embalagem de substâncias e misturas, que altera e revoga as Diretivas 67/548/CEE e 1999/45/CE, e altera o Regulamento (CE) nº 1907/2006 (Reg. REACH) de 18 de dezembro;

Para avaliar os efeitos secundários nas espécies não visadas, em particular, artrópodes auxiliares, a regulamentação comunitária exige a apresentação de ensaios de efeitos secundários para espécies de artrópodes auxiliares padrão. Estes devem ser efetuados de forma sequencial com início em ensaios laboratoriais, seguidos de ensaios de laboratório alargado, semi-campo e ensaios de campo. Estes ensaios permitem avaliar os efeitos letais nos artrópodes auxiliares, em particular na mortalidade dos mesmos e efeitos sub-letais, com particular relevo na capacidade de predação, parasitismo, fecundidade, capacidade de regeneração, entre outros.

A atribuição da classificação relativa à toxicidade das substâncias ativas sobre auxiliares (outros artrópodes auxiliares não visados para além das abelhas) tem como base as orientações da OILB, sendo com as categorias "tóxico a muito tóxico", "moderadamente tóxico" e "neutro a pouco tóxico".

Esta publicação será sujeita a revisão periódica de modo a conter informação actualizada relativa à autorização dos produtos fitofarmacêuticos colocados no mercado ou à sua retirada.

EFEITOS SECUNDÁRIOS DOS PRODUTOS FITOFARMACÊUTICOS-GRUPO INSETICIDAS

[illegible]

CLORMAX	Xn	N		R50/53									
CYREN 5G	---	N	---	R51/53									
CYREN 48 EC	Xn	N		R50/53	---								
DESTROYER 480 EC	---	N	---	R51/53									
DURSBAN 4	Xn	N		R50/53	---								
NUFOS 5 GR	---	N	---	R50/53									
NUFOS 48 EC	Xn	N		R50/53	---								
PIRIFOS 5G	---	N	---	R51/53									
PIRIFOS 48	Xn	N		R50/53	---								
PYRINEX 5 G	---	N	---	R51/53									
PYRINEX 48 EC	Xn	N		R50/53	---								
PYRINEX 250 ME	Xi	N		R50/53	---								
RISBAN 5G	---	N	---	R50/53									
RISBAN 48 EC	Xn	N		R50/53	---								
clotianidina/neonicotinóide	---	---	---	---	---								
DANTOP 50 WG	Xn	N		R50/53	---								
PONCHO	Xn	N		R50/53	---								
deltametrina/piretroíde	---	---	---	---	---								
DECA	Xn	N		R50/53	---								
DECIS	Xn	N		R50/53	---								
DECIS 25 EW	Xi	N		R50/53	---								
DECIS EXPERT	Xn	N		R50/53	---								
DELSTAR	Xn	N		R50/53	---								
DELTA	Xn	N		R50/53	---								
DELTAPLAN	Xn	N		R50/53	---								
FLEXINA	Xn	N		R50/53	---								
JACKPOT	---	N	---	R50/53	---								
K-OBIOL DP2	---	N	---	R50/53	---								
MAGNET MED*	Xi	N	---	R50/53	---								* a sa está contida dentro do líquido da garrafa
METEOR	Xn	N		R50/53	---								
PETRA	Xn	N		R50/53	---								
PODRINA	---	N		R50/53	---								
POLECI	Xn	N		R50/53	---								
RITMUS PLUS	Xn	N		R50/53	---								

flonicamida/nicotinoide	---	---	---	---	---	---	○	○	○	---	○	○	
TEPPEKI	---	---	▲	---	---	---	---	---	---	---	---	---	
formetanato (hidrocloroeto)/carbamato	---	---	---	---	---	---	●	---	●	●	●	●	
DICARZOL	T	N	---	R50/53	▲	---	---	---	---	---	---	---	
fosmete/organofosforado	---	---	---	---	---	---	●	⊙	⊙	⊙	⊙	⊙	
IMIDAN 50 WP	Xn	N	▲	R50/53	---	▲	---	---	---	---	---	---	
hexitiazox/tiazolidinona	---	---	---	---	---	---	○	○	○	○	○	○	
DIABLO	---	N	---	R51/53	---	---	---	---	---	---	---	---	
NISSORUN	---	N	---	R51/53	---	---	---	---	---	---	---	---	
TENOR	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
imidaclopride/neonicotinóide	---	---	---	---	---	---	⊙	○	⊙	⊙	●	⊙	
APLIK 200 SL	---	N	▲	---	▲	---	---	---	---	---	---	---	
CONDOR	---	N	▲	---	▲	---	---	---	---	---	---	---	
CONFIDOR CLASSIC	---	N	▲	---	▲	---	---	---	---	---	---	---	
CONFIDOR O-TEQ	Xi	N	▲	---	▲	---	---	---	---	---	---	---	
CORSÁRIO	---	N	▲	---	▲	---	---	---	---	---	---	---	
COURAZE	---	N	▲	---	▲	---	---	---	---	---	---	---	
COURAZE WG	Xn	N	▲	---	▲	---	---	---	---	---	---	---	
GAUCHO	Xn	N	▲	R52/53	▲	---	---	---	---	---	---	---	
KOHINHOR 20 SL	---	N	▲	---	▲	---	---	---	---	---	---	---	
MASTIM	---	N	▲	---	▲	---	---	---	---	---	---	---	
NEOMAX	---	N	▲	---	▲	---	---	---	---	---	---	---	
NUPRID 200 SC	---	N	▲	---	▲	---	---	---	---	---	---	---	
NUPRID 200 SL	---	N	▲	---	▲	---	---	---	---	---	---	---	
PLURAL 200 SL	---	N	▲	---	▲	---	---	---	---	---	---	---	
PRITT	---	N	▲	---	▲	---	---	---	---	---	---	---	
WARRANT 200 SL	---	N	▲	---	▲	---	---	---	---	---	---	---	
imidaclopride + lambda-cialotrina /neonicotinóide + piretroide	---	---	---	---	---	---	●	●	⊙	●	●	●	
FORTIS COMBI	Xn	N	▲	R50/53	---	---	---	---	---	---	---	---	
JUDO COMBI	Xn	N	▲	R50/53	---	---	---	---	---	---	---	---	
indoxacarbe/oxadiazinas	---	---	---	---	---	---	⊙	○	○	⊙	⊙	○	
AVAUNT	Xn	N	▲	R51/53	---	---	---	---	---	---	---	---	
EXPLICIT WG	Xn	N	▲	R51/53	---	---	---	---	---	---	---	---	
STEWARD	Xn	N	▲	R51/53	---	---	---	---	---	---	---	---	
lambda-cialotrina/piretróide	---	---	---	---	---	---	●	●	⊙	●	●	●	

[illegible]

OLEOFIX	---	---	---	---	---	---	---	---	---	---	---	---	
POMOROL	---	---	---	---	---	---	---	---	---	---	---	---	
SOLEOL	---	---	---	---	---	---	---	---	---	---	---	---	
TOLFIN	---	N	---	R51/53	---	---	---	---	---	---	---	---	
VEROL	---	---	---	---	---	---	---	---	---	---	---	---	
oxamil/oxima-carbamato	---	---	---	---	---	---	⊙	---	⊙	●	●	●	
VYDATE 10 L	T	N	---	R50/53	▲	▲	---	---	---	---	---	---	
pimetrozina/azometino	---	---	---	---	---	---	⊙	---	⊙	○	○	⊙	
PLENUM 50 WG	---	N	---	R52/53	---	---	---	---	---	---	---	---	
piridabena/piridazinona	---	---	---	---	---	---	○	○	○	⊙	○	⊙	
NEXTER 20	Xn	N	▲	R50/53	---	---	---	---	---	---	---	---	
pirimicarbe/carbamato	---	---	---	---	---	---	⊙	●	○	○	⊙	⊙	
PIRIMOR G	T	N	---	R50/53	---	---	---	---	---	---	---	---	
pirifos-metilo/organofosforado	---	---	---	---	---	---	●	---	●	●	●	●	
ACTELLIC 50	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
piriproxifena/derivado de piridina	---	---	---	---	---	---	●	---	○	○	⊙	●	
ADMIRAL 10 EC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
BAIKAL 501	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
BLADE	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
spirodiclofena/cetoenol	---	---	---	---	---	---	⊙	○	○	⊙	○	⊙	
ENVIDOR	Xn	N	▲	R51/53	---	---	---	---	---	---	---	---	
spinosade/spinosinal	---	---	---	---	---	---	○	○	○	⊙	⊙	⊙	
SPINTOR	---	N	▲	R50/53	---	---	---	---	---	---	---	---	
SPINTOR ISCO	---	---	---	---	---	---	---	---	---	---	---	---	
SUCCESS	---	N	▲	R50/53	---	---	---	---	---	---	---	---	
tau-fluvalinato/piretróide	---	---	---	---	---	---	●	---	○	●	●	●	
KLARTAN	---	N	---	R50/53	---	---	---	---	---	---	---	---	
MAVRIK (APV 3693)	---	N	---	R50/53	---	---	---	---	---	---	---	---	
MAVRIK (APV 3792)	---	N	---	R50/53	---	---	---	---	---	---	---	---	
tebufenpirade/pirazol	---	---	---	---	---	---	●	○	⊙	●	○	⊙	
MASAI	Xn	N	▲	R50/53	---	---	---	---	---	---	---	---	
tebufenozida/diacilhidrazina	---	---	---	---	---	---	○	○	○	○	○	○	
MIMIC	---	---	---	R52	---	---	---	---	---	---	---	---	
teflutrina/piretóide	---	---	---	---	---	---	○	---	---	---	---	---	
FORCE	Xn	---	---	R52	---	---	---	---	---	---	---	---	
tiaclopride/neonicotinóide	---	---	---	---	---	---	●	⊙	●	●	⊙	⊙	

[illegible]

EFEITOS SECUNDÁRIOS DOS PRODUTOS FITOFARMACÊUTICOS-GRUPO FUNGICIDAS

Substância activa / Família química	Homem	Ambiente	Abelhas	Organismos aquáticos	Aves	Fauna selvagem	Auxiliares						Observações
							cocc.	sirf.	crisop.	antoc.	himen.	fitoseid	
2-fenilfenol + imazalil (sulfato) / fenol + imidazol (DMI) (tratamento pós-colheita)	---	---	---	---	---	---	---	---	---	---	---	---	
CITROCIL (uso em armazém)	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
ametoctradina /pirimidilaminas (Qxl)	---	---	---	---	---	---	---	---	○	---	○	○	
INITIUM	Is	---	---	---	---	---	---	---	---	---	---	---	
ametoctradina + dimetomorfe / pirimidilamina (Qxl) + morfollnas (CAA)	---	---	---	---	---	---	---	---	---	---	○	○	
ORVEGO	Xn	---	---	R52/53	---	---	---	---	---	---	---	---	
ametoctradina + metirame / pirimidilaminas (Qxl) + ditiocarbamato	---	---	---	---	---	---	---	---	○	○	○	⊙	
ENERVIN	---	N	---	R51/53	---	---	---	---	---	---	---	---	
azoxistrobina / metoxiacrilato (Qol)	---	---	---	---	---	---	○	---	○	○	○	○	
AZBANY	---	N	---	R50/53	---	---	---	---	---	---	---	---	
MIRADOR (APV 0446)	---	N	---	R50/53	---	---	---	---	---	---	---	---	
MIRADOR (017/2012*)	---	N	---	R50/53	---	---	---	---	---	---	---	---	
ORTIVA	---	N	---	R50/53	---	---	---	---	---	---	---	---	
QUADRI5	---	N	---	R50/53	---	---	---	---	---	---	---	---	
TAZER	---	N	---	R50/53	---	---	---	---	---	---	---	---	
azoxistrobina + clortalonil / metoxiacrilato (Qol) + derivado ftálico	---	---	---	---	---	---	○	---	---	○	○	⊙	
AMISTAR OPTI	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
ORTIVA OPTI	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
azoxistrobina + difenoconazol / metoxiacrilato (Qol) + azol (DMI)	---	---	---	---	---	---	○	---	○	⊙	○	○	
ORTIVA TOP	Xi	N	---	---	---	---	---	---	---	---	---	---	
azoxistrobina + folpete / metoxiacrilato (Qol) + ftalimida	---	---	---	---	---	---	⊙	---	○	○	○	○	

QUADRI MAX	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
SIENA	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
azoxistrobina + tebuconazol/ metoxiacrilato (QoI) + azol (DMI)	---	---	---	---	---	---	○	---	○	⊙	⊙	○	
ARIANNE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
<i>Bacillus subtilis</i> QST 713 / bactéria	---	---	---	---	---	---	○	---	⊙	---	⊙	⊙	
SERENADE MAX	Is	---	---	---	---	---	---	---	---	---	---	---	
benalaxil + mancozebe / acilalanina (fenilamida) + ditiocarbamato	---	---	---	---	---	---	○	○	○	○	⊙	⊙	
GALBEN M	Xi	N	---	---	---	---	---	---	---	---	---	---	
TRECATOL M	Xi	N	---	---	---	---	---	---	---	---	---	---	
benalaxil-M + mancozebe / acilalanina (fenilamida) + ditiocarbamato	---	---	---	---	---	---	○	○	○	○	⊙	⊙	
FANTIC M	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
CAPRI M	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
STADIO M	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
SIDECAR M	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
benalaxil-M + folpete / acilalanina (fenilamida) + ftalimida	---	---	---	---	---	---	⊙	⊙	○	○	○	○	
FANTIC F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
CAPRI F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
SIDECAR F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
STADIO F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
benalaxil + folpete / acilalanina (fenilamida) + ftalimida	---	---	---	---	---	---	⊙	⊙	○	○	○	○	
GALBEN F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TRECATOL F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TAIREL F LÍQUIDO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
bentiavalicarbe (na forma de éster isopropílico) + cobre (sulfato tribásico) / amida do ácido carboxílico (CAA) + inorgânico	---	---	---	---	---	---	○	○	⊙	○	○	○	
VINTAGE DISPERSS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
bentiavalicarbe (na forma de éster isopropílico) + mancozebe / amida do ácido carboxílico (CAA) + ditiocarbamato	---	---	---	---	---	---	○	○	○	○	⊙	⊙	

VALBON	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
bitertanol / azol (DMI)	---	---	---	---	---	---	○	○	○	○	○	⊙
BAYCOR S (APV3528) data limite de utilização 30-06-2014	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
bitertanol+ dodina / azol (DMI) + guanidina	---	---	---	---	---	---	○	---	○	○	○	⊙
BAYCOR PLUS (APV data limite de utilização 30-06-2014	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
boscalide / carboximida (SDHI)	---	---	---	---	---	---	---	---	○	---	○	○
CANTUS	---	N	---	R51/53	---	---	---	---	---	---	---	---
boscalide + cresoxime-metilo / carboximida (SDHI) + oximinacetato (QoI)	---	---	---	---	---	---	⊙	---	---	---	○	○
COLLIS	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
boscalide + piraclostrobina / carboximida (SDHI) + metoxi-carbamato (QoI)	---	---	---	---	---	---	---	---	○	---	○	○
BELLIS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
SIGNUM	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
bupirinato / pirimidina	---	---	---	---	---	---	○	○	○	○	○	○
NIMROD	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
captana / ftalimida	---	---	---	---	---	---	○	●	⊙	○	⊙	○
MERPAN 480 SC	Xn	N	---	R50	---	---	---	---	---	---	---	---
MERPAN 80 WG	Xn	N	---	R50	---	---	---	---	---	---	---	---
CAPTANA SAPEC DF	T	N	---	R50	---	---	---	---	---	---	---	---
CAPTANA SAPEC 83	T	N	---	R50	---	---	---	---	---	---	---	---
CAPTANA SELECTIS	T	N	---	R50	---	---	---	---	---	---	---	---
PERCAPTA	T	N	---	R50	---	---	---	---	---	---	---	---
CAPTAN	Xn	N	---	R50	---	---	---	---	---	---	---	---
MALVIN 83 WP	Xn	N	---	R50	---	---	---	---	---	---	---	---
MALVIN 80 WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
captana + trifloxistrbina / ftalimida + oxiiminoacetato (QoI)	---	---	---	---	---	---	○	●	⊙	○	⊙	○
FLINT PLUS	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
carbendazime + flusilazol / benzimidazol + azol (DMI)	---	---	---	---	---	---	○	---	○	○	⊙	●
CONTRAST CS	T	N	---	R51/53	---	---	---	---	---	---	---	---
PUNCH CS	T	N	---	R51/53	---	---	---	---	---	---	---	---

[illegible]

[illegible]

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COBRE FLOW CAFFARO	Xn	---	---	R50/53	---	---	---	---	---	---	---	---
FLOWRAM CAFFARO		N	---	R50/53	---	---	---	---	---	---	---	---
CUPROCOL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
CUPROCOL INCOLOR	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
FLOWBRIX	---	N	---	R50/53	---	---	---	---	---	---	---	---
FLOWBRIX BLU	---	N	---	R50/53	---	---	---	---	---	---	---	---
CUPRITAL SC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
OXITEC 25% HI BIO	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
NUCOP M 35% HI BIO	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
CUPRITAL 50 WG ADVANCE	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
cobre (oxicloreto) + dimetomorfe / inorgânico (cobre) + morfolina (CAA)	---	---	---	---	---	---	---	---	⊙	---	○	○
FORUM C	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
cobre (oxicloreto) + iprovalicarbe / inorgânico (cobre) + carbamato - amida de aminoácido (CAA)	---	---	---	---	---	---	---	---	⊙	---	○	○
MELODY COBRE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
cobre (oxicloreto) + mandipropamida / inorgânico (cobre) + mandelamida (CAA)	---	---	---	---	---	---	○	---	⊙	---	○	○
PERGADO C	---	N	---	R51/53	---	---	---	---	---	---	---	---
cobre (oxicloreto) + metalaxil / inorgânico (cobre)+ fenilamida	---	---	---	---	---	---	---	---	⊙	---	○	○
CUPRAXIL	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
cobre (oxicloreto) + metalaxil M/ inorgânico (cobre)+ fenilamida	---	---	---	---	---	---	---	---	---	---	○	○
RIDOMIL GOLD R WG	---	N	---	R50/53	---	---	---	---	---	---	---	---
cobre (óxido cuproso) / inorgânico (cobre)	---	---	---	---	---	---	○	○	⊙	○	○	○
COBRE NORDOX SUPER 75 WG	---	N	---	R50/53	---	---	---	---	---	---	---	---
COBRE SANDOZ LÍQUIDO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
cobre (sulfato de cobre e cálcio - mistura bordalesa) / inorgânico	---	---	---	---	---	---	○	○	⊙	○	○	○
CALDA BORDALESA SAPEC	---	N	---	R51/53	---	---	---	---	---	---	---	---
CALDA BORDALESA RSR	Xn	N	---	R51/53	---	---	---	---	---	---	---	---

CALDA BORDALESA QUIMAGRO	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
CALDA BORDALESA SELECTIS	---	N	---	R51/53	---	---	---	---	---	---	---	---
CALDA BORDALESA VALLES	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
CALDA BORDALESA CAFFARO 20	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
CALDA BORDALESA NUFARM	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
BORDEAUX CAFFARO 13	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
CALDA BORDALESA QUIMIGAL	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
PEGASUS WG	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MANIFLOW	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
cobre (sulfato de cobre tribásico) / inorgânico	---	---	---	---	---	---	○	○	⊙	○	○	○
CUPROXAT	---	N	---	R50/53	---	---	---	---	---	---	---	---
cobre (sulfato de cobre e cálcio) + mancozebe / inorgânico + ditiocarbamato	---	---	---	---	---	---	○	○	⊙	○	⊙	⊙
FUNGITANE CUPROMIX	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
CUPERTINE M	---	N	---	R51/53	---	---	---	---	---	---	---	---
<i>Coniothyrium minitans</i> , estirpe CON/M/91-08 / fungo	---	---	---	---	---	---	---	---	---	---	---	---
CONTANS WG	Is	---	---	---	---	---	---	---	---	---	---	---
cresoxime-metilo / oximinoacetato (Qoi)	---	---	---	---	---	---	⊙	○	---	---	○	○
STROBY WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
difenoconazol / azol (DMI)	---	---	---	---	---	---	○	---	○	⊙	○	○
SCORE 250 EC	---	N	---	R51/53	---	---	---	---	---	---	---	---
DIVIDEND	Is	---	---	R52/53	---	---	---	---	---	---	---	---
INVICTUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
CERIMÓNIA	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
DIFEND (tratamento de sementes)	---	N	---	---	---	---	---	---	---	---	---	---
PALADIUM	---	N	---	R51/53	---	---	---	---	---	---	---	---
dimetomorfe / morfolina (CAA)	---	---	---	---	---	---	---	---	---	---	○	○
SPHINX	---	N	---	R52/53	---	---	---	---	---	---	---	---
dimetomorfe + folpete / morfolina (CAA) + ftalimida	---	---	---	---	---	---	⊙	⊙	○	○	○	○
FORUM F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
VINOSTAR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---

ENXOFRE MOLHÁVEL ORMENTAL	Is	---	---	---	---	---	---	---	---	---	---	---
STULLN	Is	---	---	---	---	---	---	---	---	---	---	---
ENXOFRE MOLHÁVEL SELECTIS	Is	---	---	---	---	---	---	---	---	---	---	---
ENXOFRE BAYER WG	Is	---	---	---	---	---	---	---	---	---	---	---
COSAN WP (APV 3703) data limite de utilização 28/05/2015	Xi	---	---	---	---	---	---	---	---	---	---	---
COSAN WDG	Is	---	---	---	---	---	---	---	---	---	---	---
ENXOFRE F-EXTRA	Xn	---	---	---	---	---	---	---	---	---	---	---
BAGO DE OURO 98,5%	Is	---	---	---	---	---	---	---	---	---	---	---
ENXOFRE PALLARÉS 80 WG	Xi	---	---	---	---	---	---	---	---	---	---	---
FLOR DE OURO 98,5%	Is	---	---	---	---	---	---	---	---	---	---	---
SOUF 80 WG	Xi	---	---	---	---	---	---	---	---	---	---	---
ENXOFRE DIAMANTE AMARELO	Xn	---	---	---	---	---	---	---	---	---	---	---
epoxiconazol / azol (DMI)	---	---	---	---	---	---	○	---	---	---	○	○
OPUS (AV 0457)	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
OPUS (APV 3915) data limite de utilização 3/12/2014	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
epoxiconazol + piraclostrobina / azol (DMI) + metoxi-carbamato (Qol)	---	---	---	---	---	---	○	---	---	---	○	○
RETENGO PLUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
espiroxamina / spirocetalamida	---	---	---	---	---	---	○	---	○	---	○	⊙
PROSPER	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
famoxadona + fosetil (na forma de sal de alumínio) / oxazolidinadona + organofosforado	---	---	---	---	---	---	---	⊙	---	⊙	---	⊙
ALIAL SYSTEM	---	N	---	R50/53	---	---	---	---	---	---	---	---
famoxadona + mancozebe / oxazolidinadona + ditiocarbamato	---	---	---	---	---	---	---	---	---	---	⊙	⊙
EQUATION CONTACT	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
fenamidona + fosetil-Al / imidazolinona (Qol) + organofosforado	---	---	---	---	---	---	---	⊙	---	⊙	---	⊙
VERITA	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
fenebuconazol / azol (DMI)	---	---	---	---	---	---	○	---	---	---	○	○
POLKA	Xn	N	---	R51/53	---	---	---	---	---	---	---	---

INDAR SEW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
fenehexamida / carboxamida	---	---	---	---	---	---	---	---	○	---	○	○
TELDOR	---	N	---	R51/53	---	---	---	---	---	---	---	---
SONAR	---	N	---	R51/53	---	---	---	---	---	---	---	---
fluaziname / 2,6-dinitroanilina	---	---	---	---	---	---	---	---	○	---	○	●
SHIRLAN	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
SHIRLAN	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
NANDO 500 SC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
TIZCA	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
fludioxonil / fenilpirrole	---	---	---	---	---	---	---	---	---	---	---	---
GEOX (tratamentos pós colheita)	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
SCHOLAR (tratamentos pós colheita)	---	N	---	R51/53	---	---	---	---	---	---	---	---
fluopicolida + fosetil-Al / benzamida + organofosforado	---	---	---	---	---	---	---	⊙	○	⊙	○	⊙
PROFILER	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
fluopicolida + propamocarbe (hidrocloreto) / benzamida + carbamato	---	---	---	---	---	---	---	---	○	---	○	○
VOLARE	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
fluopirame / benzamidas-piridinas (SDHI)	---	---	---	---	---	---	---	---	---	---	○	○
LUNA PRIVILEGE	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
fluopirame + tebuconazol / benzamidas-piridinas (SDHI) + azol (DMI)	---	---	---	---	---	---	○	---	○	---	○	○
LUNA EXPERIENCE	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
fluquinconazol + pirimetanil / azol (DMI) + anilinopirimidina	---	---	---	---	---	---	---	---	---	⊙	⊙/●	○
VISION	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
folpete / ftalimida	---	---	---	---	---	---	⊙	⊙	○	○	○	○
FOLPAN 500 SC	Xn	N	---	R50	---	---	---	---	---	---	---	---
FOLPAN 80 WDG	Xn	N	---	R50	---	---	---	---	---	---	---	---
FOLPETIS WG	Xn	N	---	R50	---	---	---	---	---	---	---	---
FOLPEC 50 AZUL	Xn	N	---	R50	---	---	---	---	---	---	---	---
BELPRON F-50	Xn	N	---	R50	---	---	---	---	---	---	---	---
FOLPEC 50	Xn	N	---	R50	---	---	---	---	---	---	---	---

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EMENDO F	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
fosetil / organofosforado	---	---	---	---	---	---	⊙	⊙	⊙	⊙	⊙	---
ALIETTE FLASH	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
ETYLIT Premier	Xi	---	---	---	---	---	---	---	---	---	---	---
FOSBEL 80 PM	---	N	---	---	---	---	---	---	---	---	---	---
FOSLETIS 80 WG	Xn	---	---	R52/53	---	---	---	---	---	---	---	---
ALFIL WG	---	N	---	R50/53	---	---	---	---	---	---	---	---
FOSPROBEL 80 WG	Is	---	---	R50/53	---	---	---	---	---	---	---	---
KATANGA EXPRESS	---	N	---	R50/53	---	---	---	---	---	---	---	---
FOSAL 80 WG	Is	---	---	---	---	---	---	---	---	---	---	---
ALFIL	Is	---	---	R52/53	---	---	---	---	---	---	---	---
fosetil-AI + mancozebe / organofosforado + ditiocarbamato	---	---	---	---	---	---	⊙	⊙	⊙	⊙	⊙	---
MAESTRO M	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
ZETYL MZ	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MILDOR EXTRA MZ	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MILAGRO	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
FOSBEL PLUS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
ALFIL DUPLO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
fosetil (na forma de sal de sódio) + propamocarbe (hidrocloreto) / organofosforado + carbamatos	---	---	---	---	---	---	---	⊙	⊙	⊙	⊙	---
PREVICUR ENERGY	Xi	---	---	---	---	---	---	---	---	---	---	---
hidrogenocarbonato de potássio / inorgânico	---	---	---	---	---	---	---	---	---	---	---	---
ARMICARB	Is	---	---	---	---	---	---	---	---	---	---	---
imazalil / imidazol (DMI) (tratamentos pós colheita)	---	---	---	---	---	---	---	---	---	---	---	---
FECUNDAL 500 EC	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
FECUNDAL 7,5 S	C	---	---	R52/53	---	---	---	---	---	---	---	---
DECCOZIL-S-7,5	C	---	---	R52/53	---	---	---	---	---	---	---	---
MAGNATE 7,5 SL	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
TEXTAR 7,5	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
FRUITFOG-I	Xn	N; O	---	R50/53	---	---	---	---	---	---	---	---
WATERWAX-2I	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
iprodiona /dicarboximida	---	---	---	---	---	---	⊙	⊙	⊙	⊙	⊙	---
ABOTRIL 500	Xn	N	---	R51/53	---	---	---	---	---	---	---	---

ROVRAL AQUAFLOW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
CHIPCO GREEN	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MAGIC	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
REDIX FLOW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
GLOVERDE 25 *	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
DRIZA WG	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
REBUT WG	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
SABUESO	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
KARBEL	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
ARVAK	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
KARBEL PLUS	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
GRISU	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
DYON	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
CLUSTER 500	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
mancozebe / ditiocarbamato	---	---	---	---	---	---	○	○	○	○	⊙	⊙
PENNCOZEB DG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
DITHANE NEOTEC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
NUFOSEBE 75 DG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MANFIL 75 WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
STEP 75 WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
PENNCOZEB 80	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MANCOZAN	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MANCOZEBE SELECTIS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MANCOZEBE SAPEC	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
NUFOZEBE 80 WP	Xi	---	---	R50/53	---	---	---	---	---	---	---	---
NUTHANE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
DITHANE M-45	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MANGAZEB	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MANCOZEB 80 VALLÉS	Xi	---	---	R50/53	---	---	---	---	---	---	---	---
CAIMAN WP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MANFIL 80 WP	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
MANZONE	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
FUNGÉNE	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
KOZEB *	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
FUNGITANE AZUL WP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
FUNGITANE WP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
DITHANE AZUL WP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---

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SUNORG PRO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
metirame / ditiocarbamato	---	---	---	---	---	---	---	●	○	⊙	⊙	⊙	
POLYRAM DF	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
metirame + piraclostrobina / ditiocarbamato + metoxi-carbamato (QoI)	---	---	---	---	---	---	---	●	○	⊙	⊙	⊙	
CABRIO TOP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
metrafenona / benzofenona	---	---	---	---	---	---	---	---	⊙	---	○	○	
VIVANDO	---	N	---	R51/53	---	---	---	---	---	---	---	---	
miclobutanil / azol (DMI)	---	---	---	---	---	---	○	---	○	---	○	○	
FONGYS PRONTO	Is	---	---	---	---	---	---	---	---	---	---	---	
RALLY	Xn	N	---	R52/53	---	---	---	---	---	---	---	---	
FONGYS	Is	---	---	---	---	---	---	---	---	---	---	---	
SELECTANE	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
SYSTHANE 45 EW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
miclobutanil + quinoxifena / azol (DMI) + quinolina	---	---	---	---	---	---	---	---	---	---	○	○	
ARITHANE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
pencicurrão / fenilureia	---	---	---	---	---	---	---	---	---	---	---	---	
MONCEREN	---	N	---	R51/53	---	---	---	---	---	---	---	---	
penconazol / azol (DMI)	---	---	---	---	---	---	○	○	○	○	○	○	
TOPAZE	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
DOURO	---	N	---	R51/53	---	---	---	---	---	---	---	---	
PENCOL	---	N	---	R51/53	---	---	---	---	---	---	---	---	
picoxistrobina / metoxiacrilato (QoI)	---	---	---	---	---	---	⊙	---	⊙	---	●	⊙	
ACANTO	---	N	---	R50/53	---	---	---	---	---	---	---	---	
piraclostrobina / metoxi-carbamato (QoI)	---	---	---	---	---	---	○	---	○	---	○	○	
CABRIO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
COMET 200	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
pirimetanil / anilino pirimidina	---	---	---	---	---	---	○	---	○	⊙	⊙/●	○	
SCALA	Is	---	---	R52/53	---	---	---	---	---	---	---	---	
GLO TANIL 40 *	Is	---	---	R52/53	---	---	---	---	---	---	---	---	
PYRUS 400 SC	---	N	---	R51/53	---	---	---	---	---	---	---	---	
procloraz / azol (DMI)	---	---	---	---	---	---	○	---	○	---	●	●	
SPORTAK 45	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
propamocarbe (hidrocloro) / carbamato	---	---	---	---	---	---	---	---	○	---	○	○	

PREVICUR N (APV 3073) data limite de utilização 30-06-2014	Is	---	---	---	---	---	---	---	---	---	---	---
PROPLANT	Is	---	---	---	---	---	---	---	---	---	---	---
propiconazol / azol (DMI)	---	---	---	---	---	---	🟢	🔵	🟢	---	🟢	🔴
BUMPER 25 EC	---	N	---	R51/53	---	---	---	---	---	---	---	---
PROPIQUISA	---	N	---	R51/53	---	---	---	---	---	---	---	---
PROPI 25EC	---	N	---	R51/53	---	---	---	---	---	---	---	---
propinebe / ditiocarbamato	---	---	---	---	---	---	🔴	🟢	🟢	🟢	🔵	🔴
ANTRACOL	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
proquinazida / quinazolinonas	---	---	---	---	---	---	---	---	---	---	---	---
TALENDO	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
protioconazol + tebuconazol / azol (DMI) + azol (DMI)	---	---	---	---	---	---	🟢	🔵	🟢	🔵	🔵	🟢
PROSARO	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
quinoxifena / fenoxiquinolina	---	---	---	---	---	---	---	---	---	---	🟢	🟢
ARIUS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
VENTO 25 SC	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
tebuconazol / azol (DMI)	---	---	---	---	---	---	🟢	🔵	🟢	🔵	🔵	🟢
ENIGMA	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
LOUSAL	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
TEBUTOP GOLD	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
AKORIUS	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
RIZA	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
TEMPLO EW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
ORIOUS 20 EW	Xn	---	---	R52/53	---	---	---	---	---	---	---	---
HORIZON	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
FOLICUR	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
FRUTOP 25 EW	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
LIBERO TOP	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
FOX WG ADVANCE	Xn	N	---		---	---	---	---	---	---	---	---
TEBUTOP	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
SPARTA	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
MYSTIC 25 WG	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
MYSTIC 250 EC	T	N	---	R51/53	---	---	---	---	---	---	---	---
FEZAN	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
ERASMUS	Xn	N	---	R51/53	---	---	---	---	---	---	---	---

ROSACUR AE	F+	---	---	---	---	---	---	---	---	---	---	---
GLORIA 20*	Xn	---		R52/53	---	---	---	---	---	---	---	---
TEBUSHA 25 EW	Xn	N		R51/53	---	---	---	---	---	---	---	---
tebuconazol+trifloxistrobina / azol (DMI) + oxiiminoacetato (Qol)	---	---	---	---	---	---	○	⊙	○	⊙	⊙	○
FLINT MAX	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
FLINT MAX AL	Is	---	---	R52/53	---	---	---	---	---	---	---	---
tetraconazol / azol (DMI)	---	---	---	---	---	---	---	---	○	---	○	○
DOMARK	---	N	---	R52/53	---	---	---	---	---	---	---	---
EMINENT 125	---	N	---	R51/53	---	---	---	---	---	---	---	---
tiabendazol / benzimidazol	---	---	---	---	---	---	---	---	---	---	---	---
TECTO 500 SC (pós colheita)	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
TEBUZATE (pós colheita)	---	N	---	R51/53	---	---	---	---	---	---	---	---
tiofanato-metilo / precursor de benzimidazol	---	---	---	---	---	---	○	---	○	⊙	○	⊙
TOCSIN WG (APV 3042) data limite de utilização 23/07/2014	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
TOCSIN WG (APV 3643) data limite de utilização 25/07/2014	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
TOCSIN WG (AV 0309)	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
TOCSIN WG (AV 0308)	Xn	N	---	R51/53	---	---	---	---	---	---	---	---
tirame / dimetilditiocarbamato	---	---	---	---	---	---	○	---	○	○	●	⊙/●
FERNIDE WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
THIANOSAN	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
TM-80	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
FERNIDE WP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
TIDORA G	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
URAME 80 WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
POMARSOL ULTRA D	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
trifloxistrobina / oxiiminoacetato (Qol)	---	---	---	---	---	---	○	---	○	○	○	○
FLINT	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
CONSIST	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
zirame / dimetilditiocarbamato	---	---	---	---	---	---	○	○	○	○	○	⊙
ZIDORA AG (AV 0242)	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
ZICO (AV 0270)	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
THIONIC WG (AV 0200)	Xn	N	---	R50/53	---	---	---	---	---	---	---	---

EFEITOS SECUNDÁRIOS DOS PRODUTOS FITOFARMACÊUTICOS-GRUPO HERBICIDAS

[illegible]

[illegible]

BONANZA	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
bispirace-sódio/ pirimidiniloxibenzóico	---	---	---	---	---	---	---	---	○	○	○	○	
NOMINEE	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
bromoxinil/ hidroxibenzonitrilo	---	---	---	---	---	---	○	○	○	○	⊙	○	
BROMOQUISA	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
BROMOTRIL 250 SC	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
BUCTRIL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
EMBLEM	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
EMBLEM FLO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
MEXTROL B	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
SPARTACTUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
bromoxinil+prosulfurão/ hidroxibenzonitrilo+ sulfonilureia							---	---	---	○	●	---	
ECLAT 63 WG	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
bromoxinil+terbutilazina/ hidroxibenzonitrilo+ 1,3,5-triazina	---	---	---	---	---	---	○	○	○	○	⊙	---	
ARPIX TER	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
carfentrazona-etilo/ triazolinona	---	---	---	---	---	---	---	---	---	○	○	---	
SHARK	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
SPOTLIGHT PLUS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
cihalofope-butilo/ arilofenoxipropionato	---	---	---	---	---	---	○	---	○	○	○	○	
CLINCHER	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
CLINCHER PLUS	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
cicloxidime/ ciclohexadiona oxima	---	---	---	---	---	---	---	○	○	○	○	○	
FOCUS ULTRA	Xi	---	---	R52/53	---	---	---	---	---	---	---	---	
clodinafope-propagilo/ ariloxifenoxipropiónico	---	---	---	---	---	---	---	---	○	---	---	---	
BROCAR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
clodinafope+diflufenicão+ cloquintocete-mexilo/ ariloxifenoxipropiónico+ piridinocarboxamida+quinolina (protetor de fitotoxicidade)	---	---	---	---	---	---	---	---	---	○	○	---	

RAVENAS PLUS	Xn	N	---	R50/53	---	---	---	---	---	○	○	---	
clomazona+metribuzina/ isoxazolidinona+1,2,4-triazinona	---	---	---	---	---	---	---	---	---	⊙	●	---	
METRIC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
clomazona+linurão/ isoxazolidinona+ureia	---	---	---	---	---	---	---	---	---	○	○	---	
LINGO	T	N	---	R50/53	---	---	---	---	---	---	---	---	
clopiralde/ ácido piridinocarboxílico	---	---	---	---	---	---	○	○	○	○	○	○	
CLIOPHAR 100 SL	---	---	---	---	---	---	---	---	---	---	---	---	
LONTREL 100	---	---	---	---	---	---	---	---	---	---	---	---	
LONTREL 72 SG	---	---	---	---	---	---	---	---	---	---	---	---	
clopiralde+MCPA/ ácido piridinocarboxílico+ácido ariloxialcanóico	---	---	---	---	---	---	---	---	○	○	○	○	
CHARDEX	Xn	---	---	R52/53	---	---	---	---	---	---	---	---	
cloridazão/ piridazinona	---	---	---	---	---	---	---	---	---	○	○	---	
BETOZON 65	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
clortolurão/ ureia	---	---	---	---	---	---	○	○	○	○	○	---	
DUQUE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
HERBIPEC 500 FL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
LENTIPUR 500 FL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TOLUMAR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TOLUREX 50 SC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
clortolurão+diflufenicão/ ureia+piridinocarboxamida	---	---	---	---	---	---	---	---	---	○	○	---	
AGILITY	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
KILAT	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
LEGACY PLUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TRIGONIL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
TRINCO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
desmedifame+etofumesato+fenemedi fame/ bis- carbamato+alcanossulfonato de benzofuranilo+bis-carbamato	---	---	---	---	---	---	○	○	○	⊙	---	○	
BETANAL EXPERT	---	N	---	R51/53	---	---	---	---	---	---	---	---	
dicamba/ ácido benzóico	---	---	---	---	---	---	○	○	○	○	⊙	---	

BANVEL	---	---	---	---	---	---	---	---	---	---	---	---
dicamba (sal de sódio)+prosulfurão/ ácido benzóico+sulfonilureia	---	---	---	---	---	---	---	---	---	○	○	---
CASPER	---	N	---	R50/53	---	---	---	---	---	○	○	---
dicamba+nicosulfurão+ rinsulfurão/ ácido benzóico+sulfonilureias	---	---	---	---	---	---	---	---	---	---	---	---
PRINCIPAL PLUS	---	N	---	R50/53	---	---	---	---	---	---	---	---
dicamba+triasulfurão/ ácido benzóico+sulfonilureia	---	---	---	---	---	---	---	---	---	○	⊙	---
SYNERGY	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
dicamba+tritosulfurão/ ácido benzóico+sulfonilureia	---	---	---	---	---	---	---	---	---	○	⊙	---
CALLAM	---	N	---	R50/53	---	---	---	---	---	---	---	---
ALGEDI	---	N	---	R50/53	---	---	---	---	---	---	---	---
diclofope-metilo/ ácido 2-(6- ariloxifenoxi) propiónico	---	---	---	---	---	---	---	---	---	●	---	---
DICLOXAN	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
ILOXAN	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
LOXANIL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
diflufenicão/ piridinocarboxamida	---	---	---	---	---	---	---	---	---	○	○	---
BATUTA	---	---	---	R52/53	---	---	---	---	---	---	---	---
LEGACY 500 SC	---	---	---	R52/53	---	---	---	---	---	---	---	---
ZENITE	---	---	---	R52/53	---	---	---	---	---	---	---	---
diflufenicão+glifosato/ piridinocarboxamida+derivado da glicina	---	---	---	---	---	---	---	---	---	○	⊙	---
ALIADO	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
FUJI	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
PISTOL AV	---	N	---	R50/53	---	---	---	---	---	---	---	---
TRONX SUPER	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
ZARPA	Xi	---	---	R52/53	---	---	---	---	---	---	---	---
diflufenicão+iodossulfurão/ piridinocarboxamida+ sulfonilureia	---	---	---	---	---	---	---	---	---	⊙	○	---
PISTOL FLEX	---	N	---	R50/53	---	---	---	---	---	---	---	---
VALDOR EXPERT	---	N	---	R50/53	---	---	---	---	---	---	---	---

[illegible]

[illegible]

ACCELERATOR 45	---	N	---	R51/53	---	---	---	---	---	---	---	---	
ARBONAL STAR 45	---	---	---	---	---	---	---	---	---	---	---	---	
ASTERÓIDE	---	---	---	---	---	---	---	---	---	---	---	---	
BARBARIAN XTRA 450	---	N	---	R51/53	---	---	---	---	---	---	---	---	
BARBARIAN SUPER 360	---	N	---	R51/53	---	---	---	---	---	---	---	---	
BARBARIAN XL	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
BUGGY	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
CLINIC ACE	---	N	---	R51/53	---	---	---	---	---	---	---	---	
CLINIC PRONTO	---	---	---	R52/53	---	---	---	---	---	---	---	---	
CATAMARAN	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
COSMIC	---	---	---	R52/53	---	---	---	---	---	---	---	---	
ENVISION 45	---	---	---	---	---	---	---	---	---	---	---	---	
FITOGLIFO	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOCHEM	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOS	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOS ACCELERATOR	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOSATO SAPEC	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOSATO SELECTIS	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLIFOPEC	Xi	---	---	R52/53	---	---	---	---	---	---	---	---	
GLIFOTOP ULTRA	---	---	---	R52/53	---	---	---	---	---	---	---	---	
GLOSATO	---	N	---	R51/53	---	---	---	---	---	---	---	---	
GLYPHOGAN	---	---	---	R52/53	---	---	---	---	---	---	---	---	
KARDA	---	---	---	R52/53	---	---	---	---	---	---	---	---	
MONTANA	---	N	---	R51/53	---	---	---	---	---	---	---	---	
MARQUI	Xi	---	---	R52/53	---	---	---	---	---	---	---	---	
MARQUI II	Xi	---	---	R52/53	---	---	---	---	---	---	---	---	
NUFOSATE	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
OXALIS	---	---	---	R52/53	---	---	---	---	---	---	---	---	
PITON VERDE	---	---	---	---	---	---	---	---	---	---	---	---	
PREMIER	---	N	---	R51/53	---	---	---	---	---	---	---	---	
PREMIER 45 ENVISION	---	---	---	---	---	---	---	---	---	---	---	---	
RADIKAL	---	---	---	---	---	---	---	---	---	---	---	---	
RAUDO	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
RONAGRO	Xi	N	---	R51/53	---	---	---	---	---	---	---	---	
RONTRAT	-	N	---	R51/53	---	---	---	---	---	---	---	---	
ROUNDUP	Xi	N	---	R51/53	-	-	---	---	---	---	---	---	

[illegible]

KUMASI	---	---	---	R52/53	---	---	---	---	---	---	---	---	
LASER PLUS	---	---	---	R52/53	---	---	---	---	---	---	---	---	
glifosato+piraflofena-etilo/ derivado de glicina+3-fenil-pirazol	---	---	---	---	---	---	○	---	○	●	●	○	
HALCON	---	N	R50/53	R50/53	---	---	---	---	---	---	---	---	
glufosinato-amônio/ ácido aminofosfínico	---	---	---	---	---	---	---	●	⊙	●	●	●	
BASTA S	Xn	---	---	R52/53	---	---	---	---	---	---	---	---	
iodosulfurão-metilo+mesosulfurão-metilo+mefenepir-dietilo/ sulfonilureias+pirazolina (safener)	Xi	N	---	R50/53	---	---	○	---	○	○	○	---	
ATLANTIS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
iodosulfurão-metilo-SÓDIO+mefenepir-dietilo/ sulfonilureia+pirazolina (safener)	---	---	---	---	---	---	○	○	○	○	○	○	
HUSSAR	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
imazamox/ imidazolinona	---	---	---	---	---	---	---	---	---	○	○	---	
PULSAR 40	---	N	---	R50/53	---	---	---	---	---	---	---	---	
ioxinil (octanoato)/ hidroxibenzonitrilo	---	---	---	---	---	---	○	○	---	⊙	●	---	
TOTRIL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
isoproturão/ ureia	---	---	---	---	---	---	○	○	○	○	○	---	
ARELON	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
MARCUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
HERBOR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
ISOPEC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
PROTUGAN 50 SC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
isoxabena/ amida	---	---	---	---	---	---	○	---	---	⊙	○	○	
CENT-7	---	N	---	R51/53	---	---	---	---	---	---	---	---	
FLEXIDOR	Xi	N	---	R51/53	---	---	---	---	---	○	○	---	
isoxaflutole+tiencarbazona+ cipro-sulfamida/ isoxazol+ sulfonil-amino-carbonil-triazolinona+ safener	---	---	---	---	---	---	---	---	---	○	○	---	
ADENGO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
lenacil/ uracilo	---	---	---	---	---	---	---	○	○	○	○	---	

[illegible]

GLIBLI	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
INNOVATE	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
KELVIN	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
NICOGAN	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
NICOSH 4% OD	-	N	---	R50/53	---	---	---	---	---	---	---	---
NICO M	-	N	---	R50/53	---	---	---	---	---	---	---	---
OFIR	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
SAMSON	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
SAMSON EXTRA 60 D	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
VICTUS	Xi	N	---	R50/53	---	---	---	---	---	---	---	---
WINNER	---	N	---	R50/53	---	---	---	---	---	---	---	---
nicossulfurão+rimsulfurão/ sulfonilureias	---	---	---	---	---	---	○	○	○	○	○	---
PRINCIPAL	---	N	---	R50/53	---	---	---	---	---	---	---	---
nicossulfurão+terbutilazina/ sulfonilureia+1,3,5-triazina					---	---	---	---	---	○	○	---
NICOTER	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
WINNER TOP	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
oxadiação/ oxadiazolona	---	---	---	---	---	---	○	○	---	---	○	---
BLUE CONTACT	---	---	---	R52/53	---	---	---	---	---	---	---	---
OXADIAÇÃO VOMAR	Xn	N	---	---	---	---	---	---	---	---	---	---
RONSTAR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
RONSTAR G	---	---	---	R52/53	---	---	---	---	---	---	---	---
oxifluorfená/ difeniléter	---	---	---		---	---	○	---	○	○	●	⊙
DAKAR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
EMIR	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
FUEGO SAPEC	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
GALIGAN 240 EC	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
GALIGAN 500 SC	-	N	---	R50/53	---	---	---	---	---	---	---	---
GLOBAL	Xn	N	---	R50/53	---	---	---	---	---	---	---	---
GOAL SUPREME	-	N	---	R50/53	---	---	---	---	---	---	---	---
OXIGAN 240 EC	Xi	N	---	R51/53	---	---	---	---	---	---	---	---
SHEIK	---	N	---	R50/53	---	---	---	---	---	---	---	---
TIGRON SUPREME	---	N	---	R50/53	---	---	---	---	---	---	---	---
pendimetalina/ 2,6-dinitroanilina	---	---	---	---	---	---	○	○	○	⊙	○	○
ACTIVUS	Xn	N	---	R50/53	---	---	---	---	---	---	---	---

ACTIVUS WG	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
ACTIVUS MAXX	---	N	---	R50/53	---	---	---	---	---	---	---	---	
ORDAGO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
PODIUM	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
XISTO 330	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
STOMP 33 E	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
STOMP AQUA	-	N	---	R50/53	---	---	---	---	---	---	---	---	
TRAMPLE	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
penoxsulame/ triazolopirimidina	---	---	---	---	---	---	---	---	---	○	○	---	
VIPER	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
pinoxadene+cloquintocete-mexilo/ fenilpirazolinas+quinolina (safener)	---	---	---	---	---	---	---	---	---	○	○	---	
AXIAL	Xi	N	---	R51/53	---	---						---	
piridato/ fenil-piridazina	---	---	---	---	---	---	○	⊙	---	○	○	---	
LENTAGRAN 45 WP	Xi	N	---	R51/53	---	---						---	
profoxidime/ ciclohexanodiona oxima	---	---	---	---	---	---	---	○	○	○	⊙	---	
AURA	C	N	---	R51/53	---	---						---	
propaquizafope/ ariloxifenoxipropionato	---	---	---	---	---	---	○	○	○	○	○	---	
AGIL	T	N	---	R50/53	---	---	---	---	---	---	---	---	
AGIL 100 EC	T	N	---	R50/53	---	---	---	---	---	---	---	---	
propizamida/ amida	---	---	---	---	---	---	○	○	---	○	○	⊙	
INDIANA	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
KERB FLO	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
KERB 50 W	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
MIG 40 SC	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
PROPYZAMIDE SELECTIS 40 SC	Xn	N	---	R51/53	---	---	---	---	---	---	---	---	
prosulfocarbe/ tiocarbamato	---	---	---	---	---	---	○	○	⊙	⊙	●	○	
BOXER	Xi	N	---	R50/53	---	---	---	---	---	---	---	---	
prosulfurão/ sulfonilureia	---	---	---	---	---	---	⊙	○	---	○	○	---	
PEAK	Xn	N	---	R50/53	---	---	---	---	---	---	---	---	
quizalofope-P-etilo/ ariloxifenoxipropionato	---	---	---	---	---	---	---	○	⊙	---	●	---	

TARGA GOLD	Xn	N	---	R51/53	---	---							
rimsulfurão/ sulfonilureia	---	---	---	---	---	---							
TITUS	---	N	---	R51/53	---	---							
s-metolacloro+terbutilazina/ cloroacetamida+1,3,5-triazina	---	---	---	---	---	---							
GARDO GOLD	Xi	N	---	R50/53	---	---							
PRIMAGRAM GOLD	Xi	N	---	R50/53	---	---							
PRIMEXTRA GOLD TZ	Xi	N	---	R50/53	---	---							
s-metolacloro/ cloroacetamida	---	---	---	---	---	---							
DUAL GOLD	Xi	N	---	R50/53	---	---							
sulcotriona/ ciclohexanodiona	---	---	---	---	---	---							
MIKADO	---	N	---	R51/53	---	---							
SUDOKU	---	N	---	R51/53	---	---							
SULCOGAN	---	N	---	R51/53	---	---							
ZEUS SAPEC	---	N	---	R51/53	---	---							
tembotriona+isoxadifene- etil/tricetona+carboxilato (safener)													
LAUDIS	Xn	N	---	R50/53	---	---							
LAUDIS WG	Xn	N	---	---	---	---							
tralcoxidime/ ciclohexanodiona oxima	---	---	---	---	---	---							
GRASP SC	---	---	---	R52/53	---	---							
GRASP 40 SC	---	---	---	---	---	---							
triasulfurão/ sulfonilureia	---	---	---	---	---	---							
LOGRAN 20 WG	---	N	---	R50/53	---	---							
tribenurão-metilo/ sulfonylurea	---	---	---	---	---	---							
ELECTRA	---	N	---	R50/53	---	---							
EXPERT WG	---	N	---	R50/53	---	---							
EXPRESS SX	Xi	N	---	R50/53	---	---							
GRANSTAR 50 SX	-	N	---	R50/53	---	---							
QUANTUM 50 SX	Xi	N	---	R50/53	---	---							
tribenurão-metilo+tifenylsulfurão- metílico/ sulfonilureias	---	---	---	---	---	---							
GRANSTAR EXTRA SG	---	N	---	R50/53	---	---							

[illegible]

Legenda aplicável a todas as folhas:

1. Toxicidade para o Homem

Xn	Nocivo
Xi	Irritante
isento	---
T	Tóxico
T ⁺	Muito tóxico
N	Perigoso para o ambiente
não classificado	---

2. Toxicidade para os auxiliares

	Tóxico a muito tóxico
	Medianamente tóxico
	Neutro a pouco tóxico
---	Ausência de dados

3. Risco para o ambiente e organismos não visados

R50	Muito tóxico para organismos aquáticos
R51	Tóxico para organismos aquáticos
R52	Nocivo para organismos aquáticos
R53	Podendo causar efeitos nefastos a longo prazo no ambiente aquático.
não classificado	----



Perigoso para abelhas/aves/fauna selvagem



Muito perigosos para abelhas

4. Outros

* - autorização de importação paralela

** - esgotamento de existências

Direção Geral de Alimentação e Veterinária
Direção de Serviços de Meios de Defesa Sanitária

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