SEED COATED WITH AGRICULTURAL CHEMICALS OTHER THAN FERTILIZERS

FERTILIZERS WITH INSECTICIDE, FUNGICIDE, DISINFECTANT, OR DEODORANT

From sewage, human, or animal excrements (e.g., night soil, manure, guano, etc.)

ANTIDOTES (E.G., SAFENERS, ANTAGONISTS, ETC.)

Antidote contains cyano or isocyano bonded directly to carbon

Antidote contains -C(=X)X-, wherein the X`s are the same or diverse chalcogens and substitution may be made for hydrogen only (e.g., phenoxyacetic acids, ureas, etc.)

PLANT GROWTH REGULATORS WITH SOIL LIFE ENTENdERS

Compositions for preservation or maintenance of cut flowers

Containing organic nitrogen compounds

PLANT GROWTH REGULATING COMPOSITIONS (E.G., HERBICIDES, ETC.)

Micro-organisms or from micro-organisms (e.g., fermentates, fungi, bacteria, viruses, etc.)

Plural active ingredients

Inorganic active ingredient containing

Inorganic active ingredient contains heavy metal or aluminum

....With an organic active ingredient

Inorganic active ingredient contains boron

....With an organic active compound

....Hetero ring containing

....Containing -C(=X)X- or -C(=X)NH-, wherein the X`s are the same or diverse chalcogens and substitution may be made for hydrogen only (e.g., phenoxyacetic acids, ureas, etc.)

Heavy metal or aluminum containing active ingredient

Phosphorus containing active ingredient wherein the phosphorus is other than solely as part of an inorganic ion in an addition salt

....With an active heterocyclic compound

Hetero ring containing active ingredient

Hetero ring is six-membered including nitrogen

....The hetero ring also contains sulfur (e.g., benzothiadiazinones, etc.)

....With additional hetero ring active ingredient

....The hetero ring consists of three nitrogens and three carbons

....With additional hetero ring active ingredient

....With an active ingredient containing -C(=X)X-, wherein the X`s are the same or diverse chalcogens (e.g., thiocarbamates, carbamates, carboxylic acids, etc.)
The hetero ring consists of two nitrogens and four carbons (1,2-diazines, etc.).

Hetero ring is five-membered including nitrogen.

Plural ring nitrogens in the hetero ring.

Oxygen containing hetero ring.

Cyano, isocyano, cyanate, isocyanate, thiocyanate, or isothiocyanate (i.e., -CN, -NC, -OCN, -NCO, -SCN, or -NCS) containing active ingredient.

Active ingredient contains -C(=X)X-, wherein the X`s are the same or diverse chalcogens.

Nitrogen bonded directly to the carbon of the -C(=X)X- group (e.g., carbamates, thiocarbamates, etc.)

Carbocyclic ring bonded directly to the carbon of the -C(=X)X- group (e.g., benzoic acids, etc.)

Oxygen is bonded directly to a benzene ring and is part of an acyclic chain between the benzene ring and the -C(=O)O- group (e.g., 2,4-dichlorophenoxyacetic acids, napthoxypropionic acids, etc.)

With an active ingredient containing nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding.

Nitrogen or halogen attached indirectly to the carbon of the -C(=X)X- group by acyclic nonionic bonding.

Active ingredient contains nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding.

Carboxamides (i.e., R-C(=O)NH2, wherein R is hydrogen or carbon, and substitution may be made for the hydrogens on the nitrogen only; e.g., dichloroacetamides, etc.)

Aquatic plant regulator (e.g., algicides, etc.)

Inorganic active ingredient containing

Heavy metal or aluminum containing active ingredient

Boron, silicon, or phosphorus containing active ingredient wherein the boron, silicon, or phosphorus is other than solely as part of an inorganic ion in an addition salt

Hetero ring containing active ingredient

Hetero ring includes nitrogen

Hetero ring is five-membered (e.g., thiadiazoles, etc.)

Active ingredient contains -C(=X)X-, wherein the X`s are the same or diverse chalcogens (e.g., carbamates, thiocarbamates, carboxylic acids, etc.)

Active ingredient contains nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding

Having -C(=X)-, wherein X is chalcogen, bonded directly to the nitrogen (e.g., carboxamides, etc.)

Chalcogen attached directly or indirectly to the nitrogen by nonionic bonding

Active ingredient contains a ketone, aldehyde, ether, or hydroxy group, wherein the H of the hydroxy group may be replaced by a substituted or unsubstituted ammonium ion or a Group IA or IIA light metal

Abscission agent, defoliant, or desiccant

Inorganic active ingredient containing
...Boron, silicon, heavy metal, or aluminum containing active ingredient

...Phosphorus containing active ingredient wherein the phosphorus is other than solely as part of an inorganic ion in an addition salt

...Hetero ring containing active ingredient

...Hetero ring is six-membered including nitrogen

....Plural ring nitrogens in the hetero ring

...Hetero ring is five-membered having two or more ring hetero atoms of which at least one is nitrogen

....Ring chalcogen in the hetero ring

...Active ingredient contains -C(=X)X-, wherein the X's are the same or diverse chalcogens

....Nitrogen or additional chalcogen bonded directly to the carbon of the -C(=X)X- group (e.g., thiocarbamates, carbamates, xanthates, etc.)

...Active ingredient contains nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding

.Stunting or dwarfing agent

...Phosphorus containing active ingredient wherein the phosphorus is attached directly or indirectly to carbon by nonionic bonding

...Hetero ring containing active ingredient

...Hetero ring is six-membered including nitrogen

....Chalcogen, nitrogen, or -C(=X)-, wherein X is chalcogen, bonded directly to ring carbon of the six-membered hetero ring

....Hetero ring is five-membered including nitrogen

....Plural ring nitrogens in the hetero ring

.....Oxygen attached indirectly to the five-membered hetero ring by acyclic nonionic bonding

.....Active ingredient contains -C(=X)X-, wherein the X's are the same or diverse chalcogens

.....Active ingredient contains organic nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding

...Desuckering or sucker control agent

...Hetero ring containing active ingredient

...Active ingredient contains organic nitrogen, other than as nitro or nitroso, wherein the nitrogen is attached directly or indirectly to carbon by nonionic bonding

...Inorganic active ingredient which contains boron, silicon, phosphorus, heavy metal, or aluminum

...Inorganic active ingredient is elemental nitrogen, elemental sulfur, or is a compound of nitrogen or sulfur

...Organic active compound containing

...Heavy metal or aluminum containing

...Hetero ring containing

...Group IV or V heavy metal (e.g., Sn, As, Ti, etc.)

...Boron or silicon containing

..Phosphorus containing wherein the phosphorus is other than solely as part of an inorganic ion in an addition salt

....Ring chalcogen in the hetero ring (e.g., morpholines, etc.)

....Plural ring nitrogens in the hetero ring

....Having -C(=X)-, wherein X is chalcogen, bonded directly to the phosphorus

....Nitrogen bonded directly to the phosphorus

....Plural nitrogens bonded directly to the phosphorus

October 2002
201 ....Nitrogen attached indirectly to the phosphorus by acyclic nonionic bonding
202 ....The nitrogen is part of a cyano or isocyno group
203 ....Nitrogen or chalcogen bonded directly to the nitrogen
204 ....Having -C(=X)X-, wherein the X is chalcogen, bonded directly to the nitrogen
205 .....Additional -C(=X)-, or additional nitrogen attached indirectly to the phosphorus by acyclic nonionic bonding
206 ....Containing -C(=X)X-, wherein the X’s are the same or diverse chalcogens (e.g., N-phosphonomethylglycines, etc.)
207 ...Carbon bonded directly to the phosphorus
208 ....Halogen attached indirectly to the phosphorus by acyclic nonionic bonding
209 ...Hetero ring containing
210 ...Acyclic urea or thiourea bonded directly to ring carbon of the hetero ring (i.e., HNH-C(=X)-NH-, wherein X is sulfur or oxygen and substitution may be made for hydrogen only)
211 ....Sulfonyl bonded directly to the urea or thiourea nitrogen (e.g., N-phenylsulfonyl-N'-pyridinylureas, etc.)
212 .....The hetero ring consists of three nitrogens and three carbons
213 ......Additional hetero ring containing
214 .....The hetero ring consists of two nitrogens and four carbons
215 ......Additional hetero ring containing
216 ....The hetero ring is five-membered including nitrogen
217 .....Plural ring nitrogens and a single ring chalcogen in the hetero ring (e.g., 1,3,4-thiadiazoles, etc.)
218 ...Hetero ring contains at least seven members including nitrogen
219 .....Additional hetero ring containing
220 ....Having -C(=X)-, wherein X is chalcogen, bonded directly to ring nitrogen of the hetero ring
221 .....Hetero ring is six-membered including nitrogen and sulfur
222 .....Plural ring nitrogens in the hetero ring (e.g., thiadiazines, etc.)
223 ...Hetero ring attached indirectly to the phosphorus by acyclic nonionic bonding
224 .....1,4-oxazines (including hydrogenated)
225 .....Additional hetero ring containing
226 ......Nitrogen or -C(=X)-, wherein X is chalcogen, bonded directly to ring nitrogen of the oxazine ring
227 ...Hetero ring is six-membered consisting of three nitrogens and three carbons
228 .....Polycyclo ring system having the six-membered hetero ring as one of the cyclos
229 .....Asymmetrical (e.g., 1,2,4-triazines, etc.)
230 .....Additional hetero ring containing
231 .....Nitrogen bonded directly to ring carbon of the six-membered hetero ring
232 .....Plural nitrogens bonded directly to ring carbons of the six-membered hetero ring
233 ......Chalcogen, -C(=X)-, wherein X is chalcogen, or cycloalkyl bonded directly to one of the nitrogens
234 ......The nitrogens are further bonded to hydrogen or hydrocarbyl only
235 .....Hetero ring is six-membered consisting of two nitrogens and four carbons (e.g., 1,4-diazines, etc.)
236 .....1,2-diazines (including hydrogenated)
237 .....Nitrogen attached directly to the diazine ring by nonionic bonding
238 ......Chalcogen bonded directly to ring carbon of the diazine ring

October 2002
239 1,3-diazines (including hydrogenated)
240 Polycyclo ring system having the diazine ring as one of the cyclos
241 Three or more ring hetero atoms in the polycyclo ring system
242 Chalcogen bonded directly to ring carbon of the diazine ring
243 Plural chalcogens bonded directly to ring carbons of the diazine ring (e.g., uracils, etc.)
244 Hetero ring is six-membered consisting of one nitrogen and five carbons
245 Polycyclo ring system having the six-membered hetero ring as one of the cyclos
246 Bicyclo ring system having the six-membered hetero ring as one of the cyclos
247 Quinolines or isoquinolines (including hydrogenated)
248 Piperidines
249 Having -C(=X)-, wherein X is chalcogen, bonded directly to ring nitrogen of the piperidine ring
250 Plural pyridine or partially hydrogenated pyridine rings
251 Additional hetero ring containing
252 The additional hetero ring is five-membered including nitrogen
253 Plural ring nitrogens in the additional hetero ring
254 Chalcogen bonded directly to ring carbon of the six-membered hetero ring
255 Nitrogen, other than as nitro or nitroso, or -C(=X)-, wherein X is chalcogen, bonded directly to ring carbon of the six-membered hetero ring
256 Benzene ring bonded directly to the chalcogen
257 Containing -C(=X)NH-, wherein X is chalcogen and substitution may be made for hydrogen only
258 Containing -C(=X)X-, wherein the X's are the same or diverse chalcogens
259 Nitrogen or sulfur attached directly or indirectly to the -C(=X)X- group by acyclic nonionic bonding
260 Nitrogen, other than as nitro or nitroso, or -C(=X)-, wherein X is chalcogen, bonded directly to ring carbon of the six-membered hetero ring
261 Hetero ring is five-membered having two or more ring hetero atoms of which at least one is nitrogen
262 1,2,4-thiadiazoles (including hydrogenated)
263 1,3,4-thiadiazoles (including hydrogenated)
264 Diazole ring (including hydrogenated) attached directly to the thiadiazole ring by nonionic bonding
265 Oxadiazoles (including hydrogenated)
266 1,3-thiazoles (including hydrogenated)
267 Benzothiazoles (including hydrogenated)
268 Nitrogen attached directly to the thiazole ring by nonionic bonding
269 1,2-thiazoles (including hydrogenated)
270 1,3-oxazoles (including hydrogenated)
271 1,2-oxazoles (including hydrogenated)
272 1,2,4-triazoles (including hydrogenated)
273 Chalcogen, nitrogen, or -C(=X)-, wherein X is chalcogen, bonded directly to ring carbon of the triazole ring
274 Nitrogen or acyclic carbon chain containing carbon to carbon unsaturation attached directly or indirectly to the triazole ring by acyclic nonionic bonding
275 1,3-diazoles (including hydrogenated)
Polycyclo ring system having the diazole ring as one of the cyclos (e.g., benzimidazoles, etc.)

Chalcogen or nitrogen bonded directly to ring carbon of the diazole ring

Plural chalcogens bonded directly to ring carbons of the diazole ring

Having -C(=X)-, wherein X is chalcogen, bonded directly to ring carbon of the diazole ring

1,2-diazaololes (including hydrogenated)

Polycyclo ring system having the diazole ring as one of the cyclos

Chalcogen or nitrogen bonded directly to ring carbon of the diazole ring

Hetero ring is five-membered consisting of one nitrogen and four carbons

Polycyclo ring system having the five-membered hetero ring as one of the cyclos (e.g., indoles, etc.)

The ring nitrogen is bonded directly to two ring carbons of the same cyclo which carbons are members of one cyclo only (e.g., isoindoles, hydrogenated isoindoles, etc.)

Benzene ring bonded directly to the nitrogen of the five-membered hetero ring

Having -C(=X)-, wherein X is chalcogen, bonded directly to the five-membered hetero ring

Sulfur containing hetero ring

The hetero ring is five-membered

Plural ring hetero atoms in the hetero ring

Oxygen containing hetero ring

The hetero ring is six-membered

Plural ring oxygens in the hetero ring

The hetero ring is five-membered

Plural ring oxygens in the hetero ring
Two benzene rings bonded directly to the same oxygen (e.g., phenoxyphenyl compounds, etc.)

Nitrogen, other than as nitro or nitroso, attached indirectly to the cyano or isocyanate group by nonionic bonding

Carboxylic acid ester (i.e., Z-C(=O)O- wherein Z is hydrogen or an organic radical bonded to the -C(=O)- group by a carbon and the single bonded oxygen of the -C(=O)O- group is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)

Z contains a benzene ring

Z contains sulfur or nitrogen, other than as nitro or nitroso, attached directly or indirectly to the benzene ring by nonionic bonding

Z contains two benzene rings bonded directly to the same chalcogen (e.g., phenoxybenzoates, etc.)

Z contains oxygen bonded directly to the benzene ring and indirectly bonded to the -C(=O)O- group through an acyclic carbon or acyclic carbon chain (e.g., phenoxyacetates, etc.)

The benzene ring is bonded directly to the carbon of the -C(=O)O- group (e.g., benzoates, etc.)

Z contains nitrogen, sulfur, or halogen attached indirectly to the -C(=O)O- group by nonionic bonding

Carboxylic acid, carboxylic acid salt, carboxylic acid anhydride, or carboxylic acid halide

Benzene ring containing

Nitrogen, other than as nitro or nitroso, attached directly or indirectly to the benzene ring by nonionic bonding

Oxygen is bonded directly to the benzene ring and is part of an acyclic chain between the benzene ring and a -C(=O)O- group (e.g., 2,4-dichlorophenoxyacetic acids, etc.)

The benzene ring is bonded directly to the carbon of a -C(=O)O- group (e.g., benzoic acids, etc.)

Containing halogen bonded directly to carbon (e.g., trichloroacetates, etc.)

Containing nitrogen, other than as nitro or nitroso, attached directly or indirectly to carbon by nonionic bonding

Ureas or thioureas (i.e., HNH-C(=X)-HNH, wherein X is oxygen or sulfur and substitution may be made for hydrogen only)

Nitrogen or -C(=X)- attached directly to urea or thiourea nitrogen by nonionic bonding (e.g., biurets, semicarbazones, etc.)

Sulfur attached directly or indirectly to urea or thiourea nitrogen by nonionic bonding

Benzene ring attached directly or indirectly to urea or thiourea nitrogen by nonionic bonding

Nitrogen, other than as nitro or nitroso, or -C(=X)-, attached indirectly to the urea or thiourea nitrogen by nonionic bonding, or alicyclic ring attached directly or indirectly to urea or thiourea nitrogen by nonionic bonding

Plural benzene rings containing

Containing -NH-(O=)S(=O)-, wherein substitution may be made for hydrogen only (e.g., sulfonamides, sulfamides, etc.)

Carboxamides or thiocarboxamides (i.e., R-(C=X)NH2, wherein X is oxygen or sulfur, R is carbon or hydrogen, and substitution may be made for hydrogen only)
CLASS 504 PLANT PROTECTING AND REGULATING COMPOSITIONS

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

October 2002