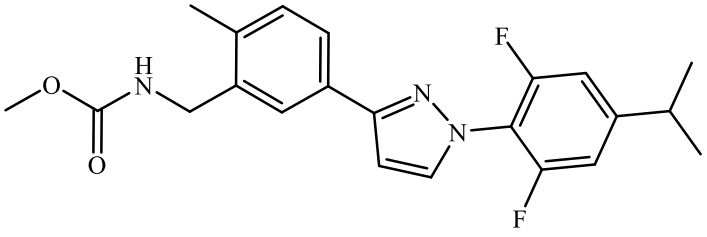
CLAIMS

What is claimed is:

1. A fungicidal composition comprising:

(a) at least one compound selected from the compounds of Formula **1** (including all stereoisomers), *N*-oxides, and salts thereof,



; and

(b) at least one additional fungicidal compound selected from the group consisting of:

(b3) demethylation inhibitor (DMI) fungicides selected from azaconazole, bitertanol, bromuconazole, buthiobate, cyproconazole, difenoconazole, diniconazole (including diniconazole-M), econazole, epoxiconazole, etaconazole, fenarimol, fenbuconazole, fluquinconazole, flusilazole, flutriafol, hexaconazole, imazalil, imibenconazole, ipconazole, ipfentrifluconazole, mefentrifluconazole, metconazole, myclobutanil, nuarimol, oxpoconazole, pefurazoate, penconazole, prochloraz, propiconazole, prothioconazole, pyrifenox, pyrisoxazole, quinconazole, simeconazole, tebuconazole, tetraconazole, triadimefon, triadimenol, triarimol, triflumizole, triforine, triticonazole, uniconazole and uniconazole-P;

(b5) amine/morpholine fungicides selected from aldimorph, dodemorph, fenpropidin, fenpropimorph, piperalin, spiroxamine, tridemorph and trimorphamide;

(b7) succinate dehydrogenase inhibitor (SDHI) fungicides selected from benodanil, benzovindiflupyr, bixafen, boscalid, carboxin, fenfuram, flubeneteram, fluindapyr, fluopyram, flutolanil, fluxapyroxad, furametpyr, inpyrfluxam, isofetamid, isoflucypram, isopyrazam, mepronil, oxycarboxin, penflufen, penthiopyrad, pydiflumetofen, pyrapropoyne, pyraziflumid, sedaxane and thifluzamide;

(b9) anilinopyrimidine (AP) fungicides selected from cyprodinil, mepanipyrim and pyrimethanil;

(b11) quinone outside inhibitor (QoI) fungicides selected from azoxystrobin, coumoxystrobin, dimoxystrobin, enoxastrobin, famoxadone, fenamidone, fenaminstrobin, flufenoxystrobin, fluoxastrobin, kresoxim-methyl, mandestrobin,

metominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, pyrametostrobin, pyraoxystrobin, pyribencarb, triclopyricarb and trifloxystrobin;

(b16b) melanin biosynthesis inhibitor-polyketide synthase (MBI-P) fungicides selected from tolprocarb;

(b17) keto reductase inhibitor (KRI) fungicides selected from fenhexamid, fenpyrazamine, ipflufenoquin and quinofumelin;

(b21) quinone inside inhibitor (QiI) fungicides selected from amisulbrom, cyazofamid and fenpicoxamid;

(b39) complex I NADH oxidoreductase inhibitor fungicides selected from diflumetorim, fenazaquin and tolfenpyrad;

(b43) benzamide fungicides selected from fluopicolide and fluopimomide;

(b49) oxysterol binding protein inhibitor fungicides selected from oxathiapiprolin and fluoxapiprolin;

(b52) multi-site activity fungicides such as copper oxychloride, copper sulfate, copper hydroxide, Bordeaux composition (tribasic copper sulfide), elemental sulfur, ferbam, mancozeb, maneb, metiram, propineb, thiram, zinc thiazole, zineb, ziram, folpet, captan, captafol, chlorothalonil, dichlofluanid, tolyfluanid, guazatine, iminoctadine albesilate, iminoctadine triacetate, anilazine, dithianon, quinomethionate and fluoroimide; and

(b54) fungicides other than component (a) and component (b) selected from aminopyrifen, bethoxazin, cyflufenamid, dichlobentiazox, dipymetitrone, dodine, ferimzone, flometoquin, florylpicoxamid, flutianil, metyltetraprole, neo-asozin, picarbutrazox, pyrrolnitrin, tebufloquin, tolnifanide and *N*-(2,2,2-trifluoroethyl)-2-[[4-[5-(trifluoromethyl)-1,2,4-oxadiazol-3-yl]phenyl]methyl]-4-oxazolecarboxamide.

2. The composition of Claim 1 wherein component (b) comprises at least one fungicidal compound selected from two different (b) groups.

3. The composition of Claim 1 wherein component (b) includes at least one compound selected from azoxystrobin, benzovindiflupyr, bixafen, chlorothalonil, cyproconazole, difenoconazole, epoxiconazole, fenpropimorph, fluindapyr, flutriafol, fluxapyroxad, mancozeb (manzate), picoxystrobin, prothioconazole, pydiflumetofen, pyraclostrobin, tebuconazole and trifloxystrobin.

4. The composition of Claim 1 wherein component (b) includes one compound selected from azoxystrobin, benzovindiflupyr, boscalid, bixafen, bromuconazole, chlorothalonil, copper sulfate, cyflufenamid, cyproconazole, difenoconazole, dimoxystrobin, epoxiconazole,

famoxadone, fenbuconazole, fenpropidin, fenpropimorph, florylpicoxamid, fluindapyr, flusilazole, flutriafol, fluxapyroxad, hexaconazole, inpyrfluxam, ipconazole, isoflucypram, kresoxim-methyl, mancozeb, mefentrifluconazole, metconazole, metominostrobin, myclobutanil, penconazole, penthiopyrad, picoxystrobin, prochloraz, propiconazole, prothioconazole, pydiflumetofen, pyraclostrobin, pyrametostrobin, pyraoxystrobin, tebuconazole, trifloxystrobin and triticonazole.

5. The composition of Claim 4 wherein component (b) includes one compound selected from azoxystrobin, benzovindiflupyr, bixafen, chlorothalonil, cyproconazole, difenoconazole, epoxiconazole, fenpropimorph, florylpicoxamid, fluindapyr, flutriafol, fluxapyroxad, inpyrfluxam, isoflucypram, mancozeb, mefentrifluconazole, metominostrobin, picoxystrobin, prothioconazole, pydiflumetofen, pyraclostrobin, tebuconazole and trifloxystrobin.

6. The composition of Claim 1 wherein component (b) includes one compound selected from azoxystrobin, benzovindiflupyr, bixafen, chlorothalonil, cyazofamid, cyproconazole, cyprodinil, difenoconazole, epoxiconazole, fenhexamid, fenpropidin, fenpropimorph, fluindapyr, fluopyram, flutriafol, fluxapyroxad, inpyrfluxam, mancozeb, picoxystrobin, prothioconazole, pydiflumetofen, tebuconazole and trifloxystrobin.

7. The composition of Claim 6 wherein component (b) includes one compound selected from benzovindiflupyr, bixafen, difenoconazole, fenpropimorph, fluopyram, flutriafol, fluxapyroxad, prothioconazole, pydiflumetofen and tebuconazole.

8. The composition of Claim 6 wherein component (b) includes one compound selected from difenoconazole, fenpropimorph, fluindapyr, prothioconazole and tebuconazole.

9. The composition of Claim 8 wherein component (b) is difenoconazole.

10. The composition of Claim 8 wherein component (b) is fluindapyr.

11. The composition of Claim 8 wherein component (b) is prothioconazole.

12. The composition of Claim 8 wherein component (b) is tebuconazole.

13. The composition of Claim 1 wherein component (b) is *N*-(2,2,2-trifluoroethyl)-2-[[4-[5-(trifluoromethyl)-1,2,4-oxadiazol-3-yl]phenyl]methyl]-4-oxazolecarboxamide.

14. A composition comprising the composition of any one of Claims 1 through 13 and at least one additional component selected from the group consisting of surfactants, solid diluents and liquid diluents.

15. A method for protecting a plant or plant seed from diseases caused by fungal pathogens comprising applying a fungicidally effective amount of the composition of any one of Claims 1 through 13 to the plant or plant seed.

16. A method for protecting a plant from a rust disease comprising applying to the plant or plant seed a fungicidally effective amount of the composition of any one of Claims 1 through 13 wherein component (b) includes at least one fungicidal compound selected from (b3) demethylation inhibitor fungicides, (b5) amine/morpholine fungicides, (b7) succinate dehydrogenase inhibitor fungicides, (b11) quinone outside inhibitor (QoI) fungicides and (b52) multi-site activity fungicides.

17. The composition of any one of Claims 1 through 13 wherein the weight ratio of component (a) to component (b) is from 125:1 to 1:125.

18. The composition of Claim 17 wherein the weight ratio of component (a) to component (b) is from 25:1 to 1:25.

19. The composition of Claim 18 wherein the weight ratio of component (a) to component (b) is from 5:1 to 1:5.

20. The method of Claim 15 wherein the fungal pathogen is *Phakopsora pachyrhizi*.