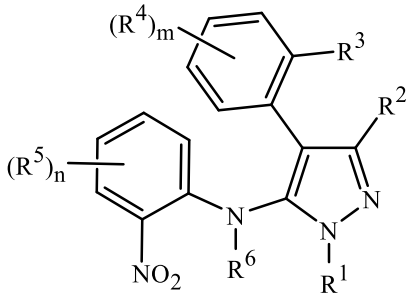
CLAIMS

What is claimed is:

1. A compound selected from Formula **1**, tautomers, *N*-oxides, and salts thereof,



1

wherein

R^1 is C_1-C_2 alkyl;

R^2 is cyano, halogen, C_1-C_2 alkyl or C_1-C_2 haloalkyl;

R^3 is halogen or methyl;

each R^4 is independently halogen, cyano, nitro, C_1-C_3 alkyl, C_1-C_3 alkoxy, C_1-C_3 haloalkoxy, C_2-C_6 alkenyloxy, C_2-C_6 alkynyloxy, C_2-C_6 cyanoalkoxy, C_2-C_6 alkoxyalkyl or C_2-C_6 alkoxyalkoxy;

each R^5 is independently halogen, C_1-C_3 alkyl, C_2-C_6 alkoxyalkyl, C_1-C_3 alkoxy, C_1-C_3 haloalkoxy, C_2-C_6 alkenyloxy, C_2-C_6 alkynyloxy, C_2-C_6 cyanoalkoxy or C_2-C_6 alkoxyalkoxy;

m and n are each independently 0, 1, 2 or 3;

R^6 is H; or C_1-C_3 alkyl or C_1-C_3 haloalkyl, each optionally substituted with up to 2 substituents independently selected from R^{6a}; or amino, C_2-C_4 alkenyl, C_2-C_4 alkynyl, C_3-C_6 cycloalkyl, CH(=O), $S(=O)_2OM$, $S(=O)_uR^7$, $(C=W)R^8$ or OR^9;

each R^{6a} is independently cyano, C_3-C_6 cycloalkyl, C_1-C_3 alkoxy, C_1-C_3 haloalkoxy, C_1-C_3 alkylthio, C_1-C_3 alkylsulfinyl or C_1-C_3 alkylsulfonyl;

M is K or Na;

u is 0, 1 or 2;

R^7 is C_1-C_3 alkyl or C_1-C_3 haloalkyl;

W is O or S;

R^8 is C_1-C_3 alkyl, C_2-C_4 alkoxyalkyl, C_2-C_4 alkylaminoalkyl, C_3-C_6 dialkylaminoalkyl, C_1-C_3 alkoxy, C_1-C_3 alkylthio or C_2-C_4 alkylthioalkyl;

R^9 is H; or C_1-C_3 alkyl or C_1-C_3 haloalkyl, each optionally substituted with up to 2 substituents independently selected from R^{9a}; or CH(=O), C_3-C_6 cycloalkyl, $S(=O)_2OM$ or $(C=W)R^{10}$;

each R^{9a} is independently cyano, C_3-C_6 cycloalkyl, C_1-C_3 alkoxy, C_1-C_3 haloalkoxy, C_1-C_3 alkylthio, C_1-C_3 alkylsulfinyl or C_1-C_3 alkylsulfonyl; and

R^{10} is C_1-C_3 alkyl, C_2-C_4 alkoxyalkyl, C_2-C_4 alkylaminoalkyl, C_3-C_6 dialkylaminoalkyl, C_1-C_3 alkoxy, C_1-C_3 alkylthio or C_2-C_4 alkylthioalkyl;

provided that the compound of Formula **1** is not:

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(2-nitrophenyl)-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-3-ethyl-1-methyl-*N*-(2-nitrophenyl)-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1-methyl-*N*-(2-nitrophenyl)-3-(trifluoromethyl)-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(2-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(2-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(2-chloro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(2-chloro-3-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(2-methyl-6-nitrophenyl)-1*H*-pyrazol-5-amine;

N-(2-bromo-4-fluoro-6-nitrophenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(4-methoxy-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(4-fluoro-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(4-methoxy-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(4-chloro-2-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[2-nitro-4-(2-propyn-1-yloxy)phenyl]-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[2-nitro-4-(2-propen-1-yloxy)phenyl]-1*H*-pyrazol-5-amine;

N-(4-bromo-2-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(4-chloro-2-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-

dimethyl-1*H*-pyrazol-5-amine;

3-chloro-4-(2-chloro-4-fluorophenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1-methyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[4-methyl-2-nitrophenyl]-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(4-methyl-2-nitrophenyl)-1*H*-pyrazol-5-amine; and

N-(4-bromo-2-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine.

2. A compound of Claim 1 wherein:

R^1 is methyl;

R^2 is cyano, halogen or C_1-C_2 alkyl;

R^3 is halogen;

each R^4 is independently halogen, cyano, methyl, methoxy, halomethoxy, C_2-C_4 alkenyloxy, C_2-C_4 alkynyloxy or C_2-C_4 cyanoalkoxy;

each R^5 is independently halogen, methyl, methoxy, halomethoxy, C_2-C_4 alkenyloxy, C_2-C_4 alkynyloxy or C_2-C_4 cyanoalkoxy;

R^6 is H; or C_1-C_2 alkyl or C_1-C_2 haloalkyl, each optionally substituted with up to 1 substituent selected from R^{6a}; or $S(=O)_uR^7$ or OR^9;

R^{6a} is cyano, C_3-C_6 cycloalkyl or C_1-C_3 alkoxy;

R^7 is methyl or halomethyl;

R^9 is H; or C_1-C_2 alkyl or C_1-C_2 haloalkyl, each optionally substituted with up to 1 substituent selected from R^{9a}; and

R^{9a} is cyano, C_3-C_6 cycloalkyl or C_1-C_3 alkoxy.

3. A compound of Claim 2 wherein:

R^2 is methyl or ethyl;

R^3 is Br, Cl or F;

each R^4 is independently halogen, cyano, methyl or methoxy;

m is 1 and R^4 is at the para position; or m is 1 and R^4 is at the ortho position; or m is 2 and one R^4 is at the para position, and the other is at the ortho position;

each R^5 is independently halogen, methyl or methoxy;

n is 1 and R^5 is at the para position; or n is 1 and R^5 is at the ortho position; or n is 2 and one R^5 is at the para position, and the other is at the ortho position; and

R^6 is H or methyl.

4. A compound of Claim 3 wherein:

R^2 is methyl;

each R^4 is independently Br, Cl, F, cyano or methoxy;

each R^5 is independently Br, Cl, F, methyl or methoxy; and
R^6 is H.

5. A compound of Claim 4 wherein:
each R^4 is independently Br, Cl or F; and
m and n are each 1 and R^4 is at the para position and R^5 is at the ortho position; or m is 1 and R^4 is at the para position, and n is 2 and one R^5 is at the para position and the other is at the ortho position; or m is 2 and one R^4 is at the para position and the other is at the ortho position, and n is 1 and R^5 is at the ortho position.

6. A compound of Claim 5 wherein:
R^4 is Cl or F;
each R^5 is independently Cl, F or methyl; and
m and n are each 1 and R^4 is at the para position and R^5 is at the ortho position; or m is 1 and R^4 is at the para position, and n is 2 and one R^5 is at the para position and the other is at the ortho position.

7. A compound of Claim 1 wherein:
R^1 is methyl;
R^2 is methyl or ethyl;
R^3 is halogen;
each R^4 is independently Br, Cl, F, cyano or methoxy;
m is 1 and R^4 is at the para position; or m is 1 and R^4 is at the ortho position; or m is 2 and one R^4 is at the para position, and the other is at the ortho position;
n is 0; and
R^6 is H or methyl.

8. A compound of Claim 7 wherein:
R^2 is methyl;
R^3 is Br, Cl or F;
each R^4 is independently Br, Cl or F;
m is 1 and R^4 is at the para position; or m is 1 and R^4 is at the ortho position; or m is 2 and one R^4 is at the para position, and the other is at the ortho position; and
R^6 is H.

9. A compound of Claim 1 which is selected from the group:
4-(2-bromo-4,6-difluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
3-chloro-4-[5-[(2-chloro-4-fluoro-6-nitrophenyl)amino]-1,3-dimethyl-1*H*-pyrazol-4-yl]benzonitrile,
N-(2-chloro-4-fluoro-6-nitrophenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1*H*-pyrazol-

5-amine,
4-(2-chloro-6-fluorophenyl)-*N*-(2-fluoro-4-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2,4-difluorophenyl)-*N*-(2-fluoro-4-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-bromo-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4,6-difluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-3-ethyl-1-methyl-1*H*-pyrazol-5-amine,
N-(2-chloro-4-fluoro-6-nitrophenyl)-4-(2-chloro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-4-methyl-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(4-fluoro-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2,4-difluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
N-(4-chloro-2-fluoro-6-nitrophenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine and
3-chloro-4-[5-[(2-fluoro-4-methyl-6-nitrophenyl)amino]-1,3-dimethyl-1*H*-pyrazol-4-yl]benzonitrile.

10. A compound of Claim 8 which is selected from the group:
4-(2-bromo-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4,6-difluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-3-ethyl-1-methyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-4-methyl-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine,
4-(2-chloro-4-fluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine and
4-(2,4-difluorophenyl)-*N*-(2-fluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine.

11. A fungicidal composition comprising (a) a compound of Claim 1; and (b) at least one other fungicide.

12. A fungicidal composition comprising (a) a compound of Claim 1; and (b) at least one additional component selected from the group consisting of surfactants, solid diluents and liquid diluents.

13. A method for controlling plant diseases caused by fungal plant pathogens comprising applying to the plant or portion thereof, or to the plant seed, a fungicidally effective amount of a compound of Claim 1 or a compound selected from

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(2-nitrophenyl)-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-3-ethyl-1-methyl-*N*-(2-nitrophenyl)-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1-methyl-*N*-(2-nitrophenyl)-3-(trifluoromethyl)-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(2-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(2-methoxy-6-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(2-chloro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(2-chloro-3-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(2-methyl-6-nitrophenyl)-1*H*-pyrazol-5-amine;

N-(2-bromo-4-fluoro-6-nitrophenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-*N*-(4-methoxy-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(4-fluoro-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-*N*-(4-methoxy-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(4-chloro-2-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[2-nitro-4-(2-propyn-1-yloxy) phenyl]-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[2-nitro-4-(2-propen-1-yloxy) phenyl]-1*H*-pyrazol-5-amine;

N-(4-bromo-2-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine;

N-(4-chloro-2-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-

dimethyl-1*H*-pyrazol-5-amine;

3-chloro-4-(2-chloro-4-fluorophenyl)-*N*-(2,4-difluoro-6-nitrophenyl)-1-methyl-1*H*-pyrazol-5-amine;

4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-*N*-[4-methyl-2-nitrophenyl]-1*H*-pyrazol-5-amine;

4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-*N*-(4-methyl-2-nitrophenyl)-1*H*-pyrazol-5-amine; and

N-(4-bromo-2-fluoro-6-nitrophenyl)-4-(2,6-difluoro-4-methoxyphenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine.

14. A method for protecting a plant from a *Septoria* disease comprising applying to the plant or portion thereof, or to the plant seed, a fungicidally effective amount of a compound of Claim 1.

15. A compound of Claim 1 which is selected from the group:

4-(2-chloro-4,6-difluorophenyl)-*N*-(2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine, and

4-(2-chloro-4,6-difluorophenyl)-*N*-(4-methyl-2-nitrophenyl)-1,3-dimethyl-1*H*-pyrazol-5-amine.