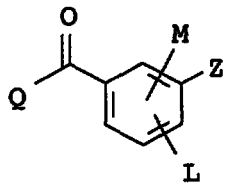
Pyrazol-4-ylbenzoyl derivatives

Abstract

Pyrazol-4-ylbenzoyl derivatives of the formula I



I

where the substituents are as follows:

L,M are hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_4-alkoxy, it being possible for these groups to be unsubstituted or substituted by one to five halogen atoms or C_1-C_4-alkoxy or are halogen, cyano, nitro, a group $-(Y)_n-S(O)_mR^7$ or a group $-(Y)_n-CO-R^8$

Z is a 5- or 6-membered heterocyclic saturated or unsaturated radical which has one to three hetero atoms selected from the group consisting of oxygen, sulfur and nitrogen and which is unsubstituted or substituted by halogen, cyano, nitro, a group $-CO-R^8$, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkylthio, di-C_1-C_4-alkylamino, by phenyl which is unsubstituted or substituted by halogen, cyano, nitro, C_1-C_4-alkyl or C_1-C_4-haloalkyl, or by a divalent oxygen which may also be present as a hydroxyl group in the tautomeric form, or which forms a bicyclic system together with a fused phenyl ring which is unsubstituted or substituted by halogen, cyano, nitro, C_1-C_4-alkyl or C_1-C_4-haloalkyl or with a fused carbocycle or with a fused second heterocycle which is unsubstituted or substituted by halogen, cyano, nitro, C_1-C_4-alkyl, di-C_1-C_4-alkylamino, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy or C_1-C_4-haloalkyl,

Y is O or NR^9,

n is zero or 1,

m is zero, 1 or 2,

R^7 is C_1-C_4-alkyl, C_1-C_4-haloalkyl or NR^9R^{10}

R^8 is C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy or NR^9R^{10}

R^9 is hydrogen or C_1-C_4-alkyl,

R^{10} is C_1-C_4-alkyl

Q is a pyrazole ring of the formula II

where

R^1 is C_1-C_4-alkyl,

R^2 is hydrogen or C_1-C_4-alkyl and

R^3 is hydrogen, C_1-C_4-alkylsulfonyl, phenylsulfonyl or alkylphenylsulfonyl and

which is linked in the 4-position,

and salts of the compounds I which are customary in agriculture.