

Title (en)
THIOCHROMANOYL CYCLOHEXENONE DERIVATIVES

Title (de)
THIOCHROMANOYLCYCLOHEXENON-DERIVATE

Title (fr)
DERIVES DE CYCLOHEXENONE DE THIOCHROMANOYL

Publication
EP 1144401 A2 20011017 (DE)

Application
EP 99963363 A 19991202

Priority
• DE 19857898 A 19981215
• EP 9909395 W 19991202

Abstract (en)
[origin: WO0035903A2] The invention relates to thiochromanoyl cyclohexenone derivatives of formula (I), wherein the variables have the following meanings: A is an optionally substituted, saturated or unsaturated alkyl chain; R<1> is cyano, rhodano, nitro, OR<4>, SR<5>, SOR<6>, SO₂R<6>, ONR<6>NR<7>, ON=CR<6>R<8>, NR<9>R<10>, P(O)R<11>R<12>, P(S)R<11>R<12>, CO₂R<6>, optionally substituted phenyl or heterocyclyl; R<2> is alkyl, alkyl halide, alkoxy or halogenalkoxy; R<3> is hydrogen, alkyl or halogen; X is oxygen, sulphur, S=O, S(=O)₂, CR<13>R<14>, C=O or C=NR<15>; m is 0, 1 or 2; n is 0, 1, 2, 3 or 4; R<16> is substituted (3-oxo-1-cyclohexen-2-yl)-carbonyl or substituted (1,3-dioxo-2-cyclohexyl)-methylidene; and to their agriculturally useful salts. The invention relates to intermediate products and methods for producing thiochromanoyl cyclohexenone derivatives, to products containing them and the use of these derivatives or products containing them for combating unwanted plants.

IPC 1-7
C07D 327/00

IPC 8 full level
A01N 43/18 (2006.01); **C07D 327/06** (2006.01); **C07D 335/06** (2006.01); **C07D 339/06** (2006.01); **C07D 339/08** (2006.01); **C07D 409/06** (2006.01); **C07D 417/06** (2006.01); **C07F 9/6553** (2006.01)

CPC (source: EP)
C07D 327/06 (2013.01); **C07D 335/06** (2013.01); **C07D 339/08** (2013.01)

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
WO 0035903 A2 20000622; **WO 0035903 A3 20011018**; AU 1969300 A 20000703; CA 2355125 A1 20000622; EP 1144401 A2 20011017; EP 1144401 A3 20020911; JP 2002532489 A 20021002

DOCDB simple family (application)
EP 9909395 W 19991202; AU 1969300 A 19991202; CA 2355125 A 19991202; EP 99963363 A 19991202; JP 2000588163 A 19991202