

IMAZAPYR
Papers that Were Excluded from ECOTOX

1. 1989). **STUDIES OF HERBICIDES WHICH INHIBIT BRANCHED CHAIN AMINO ACID BIOSYNTHESIS** AU - HAWKES TR. COPPING, L. G., J. DALZIEL AND A. D. DODGE (ED.). *BRITISH CROP PROTECTION COUNCIL MONOGRAPH, NO. 42. PROSPECTS FOR AMINO ACID BIOSYNTHESIS INHIBITORS IN CROP PROTECTION AND PHARMACEUTICAL CHEMISTRY; SOCIETY OF CHEMICAL INDUSTRY PESTICIDES GROUP MEETING, CAMBRIDGE, ENGLAND, UK, SEPTEMBER 5-7, 1989. IX+217P. BRITISH CROP PROTECTION COUNCIL: SURREY, ENGLAND, UK. ILLUS. PAPER. ISBN 0-948404-31-0.; 0 (0). 1989. 131-138.*

Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.
BIOSIS COPYRIGHT: BIOL ABS. RRM CARROT PEA ACETOLACTATE SYNTHASE IMAZAPYR SULFOMETURON

2. Al-Ahmad, Hani, Galili, Shmuel, and Gressel, Jonathan (2004). **Tandem constructs to mitigate transgene persistence: tobacco as a model.** *Molecular Ecology* 13: 697-710.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.

3. AMERICAN JW (1991). **THE FUTURE IS HERE THE EMBATTLED INSECTICIDE ARSENAL.** *40TH ANNUAL MEETING OF THE AMERICAN SOCIETY OF TROPICAL MEDICINE AND HYGIENE, BOSTON, MASSACHUSETTS, USA, DECEMBER 1-5, 1991. AM J TROP MED HYG; 45 288.*

Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.
BIOSIS COPYRIGHT: BIOL ABS. RRM ABSTRACT DISEASE VECTOR CONTROL AGRICULTURE ECOLOGY Congresses/ Biology/ Ecology/ Disease Vectors/ Communicable Diseases/Microbiology/ Botany/Economics/ Plants/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Animals/ Arachnida/ Entomology/Economics/ Pest Control/ Arachnida/ Entomology/Economics/ Insecticides/ Pest Control/ Pesticides/ Arachnida/ Disease Vectors/ Entomology/ Sanitation

4. ANIS NA, ELDEFRAWI ME, and WONG RB (1993). **Reusable fiber optic immunosensor for rapid detection of imazethapyr herbicide.** *AGRIC FOOD CHEM; 41 J 843-848.*

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.
BIOSIS COPYRIGHT: BIOL ABS. Biology/Methods/ Biochemistry/ Comparative Study/ Biochemistry/Methods/ Biochemistry/ Biophysics/Methods/ Biophysics/ Macromolecular Systems/ Molecular Biology/ Environmental Pollutants/Poisoning/ Occupational Diseases/ Immunity/ Air Pollution/ Soil Pollutants/ Water Pollution/ Grasses/Growth & Development/ Soil/ Methods/ Plants/ Soil/ Soil/ Herbicides/ Pest Control/ Pesticides

5. Aragao, F. J. L., Sarokin, L., Vianna, G. R., and Rech, E. L. (2000). **Selection of transgenic meristematic cells utilizing a herbicidal molecule results in the recovery of fertile transgenic soybean [Glycine max (L.) Merrill] plants at a high frequency.** *Theoretical and Applied Genetics* 101: 1-6.

Chem Codes: Chemical of Concern: IZP; Rejection Code: Agricultural biotechnology/Gene transfer/Glycine max/Imazapyr/IN VITRO/Soybean.
0040-5752.

6. BABCZINSKI, P. and ZELINSKI, T. (1991). **Mode of action of herbicidal ALS-inhibitors on acetolactate synthase from green plant cell cultures, yeast, and Escherichia coli.** *PESTIC SCI; 31 305-324.*

Chem Codes: Chemical of Concern: IZP; Rejection Code: BACTERIA, MICROBE.
BIOSIS COPYRIGHT: BIOL ABS. Plants/Cytology/ Nucleic Acids/Analysis/ Purines/Analysis/ Pyrimidines/Analysis/ Nucleic Acids/ Purines/ Pyrimidines/ Coenzymes/ Comparative Study/ Enzymes/

Enzymes/Chemistry/ Bacteria/Cytology/ Microbiological Techniques/ Biophysics/ Plants/Enzymology/ Biophysics/ Plants/Metabolism/ Biophysics/ Plants/Chemistry/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Enterobacteriaceae/ Ascomycota/ Plants

7. Barbagallo, R. P., Oxborough, K., Pallett, K. E., and Baker, N. R. (2003). **Rapid, noninvasive screening for perturbations of metabolism and plant growth using chlorophyll fluorescence imaging.** *Plant physiology*, 132 (2) pp. 485-493, 2003.

Chem Codes: Chemical of Concern: IZP; Rejection Code: METHODS.

Classification: 92.1.5 BIOCHEMISTRY: Metabolism

Classification: 92.7.1.4 DEVELOPMENT: Vegetative Development: Whole plant development and differentiation

Classification: 92.1.2.1 BIOCHEMISTRY: Photosynthesis: Biophysics, electron transport, photophosphorylation

8. Bensaoud, A., El Azzouzi, M., Mechrafi, E., Bouhaouss, A., Dahchour, A., and Mansour, M. (1999). **Removal of imazapyr from water using synthetic apatites.** *Fresenius environmental bulletin [fresenius environ. Bull.]*. Vol. 8, no. 7-8, pp. 486-492. Jul-aug 1999.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

Classification: SW 3060 Water treatment and distribution

Classification: P 2000 FRESHWATER POLLUTION

Classification: Q5 01505 Prevention and control

Subfile: Water Resources Abstracts; Pollution Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality

9. BOUTSALIS, P. and POWLES SB (1995). **Inheritance and mechanism of resistance to herbicides inhibiting acetolactate synthase in *Sonchus oleraceus* L.** *THEORETICAL AND APPLIED GENETICS*; 91 242-247.

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

BIOSIS COPYRIGHT: BIOL ABS. Plants/Cytology/ Plants/*Genetics/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Enzymes/Physiology/ Biophysics/ Plants/Enzymology/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Plants

10. Bromilow, R. H., Chamberlain, K., and Evans, A. A. (1990). **Physicochemical Aspects of Phloem Translocation of Herbicides.** *Weed Sci.* 38: 305-314.

Chem Codes: EcoReference No.: 70320

Chemical of Concern: SZ,EDT,SXD,IZP,DMB; Rejection Code: REFS CHECKED/REVIEW.

11. CHAMBERLAIN, K., EVANS AA, and BROMILOW RH (1995). **ADVANCES IN THE POTENTIOMETRIC DETERMINATION OF PK-A AND LOG K-O-W OF PESTICIDES.** *PESTICIDE SCIENCE*; 43 167-169.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. RRM RESEARCH ARTICLE FLAMPROP IMAZAPYR MECOPROP ETHIRIMOL PIRIMICARB HERBICIDE LIPOPHILICITY METHOD Biochemistry/Methods/ Biochemistry/ Herbicides/ Pest Control/ Pesticides

12. Chang, A. K. and Duggleby, R. G. (1997). **Expression, purification and characterization of *Arabidopsis thaliana* acetohydroxyacid synthase.** *Biochemical journal*, 327 (1) pp. 161-169, 1997.

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

Classification: 92.1.4.1 BIOCHEMISTRY: Enzymes: Purification and structure

Classification: 92.1.1.1 BIOCHEMISTRY: Molecular Biology: Gene structure, regulation and function

Subfile: Plant Science

13. CHRISTOPHER JT, POWLES SB, and HOLTUM, J. AM (1992). **Resistance to acetolactate synthase-inhibiting herbicides in annual ryegrass (*Lolium rigidum*) involves at least two mechanisms.** *PLANT PHYSIOL (BETHESDA)*; 100 (4). 1992. 1909-1913.

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/ Amino Acids/ Peptides/ Proteins/ Enzymes/Physiology/ Metabolism/ Biophysics/ Plants/Enzymology/ Biophysics/ Plants/Metabolism/ Environmental Pollution/ Plant Diseases/ Weather/ Herbicides/ Pest Control/ Pesticides/ Grasses

14. Cobb, A. (1992). **Herbicides that Inhibit Photosynthesis.** In: A.Cobb (Ed.), *Herbicides and Plant Physiology, Chapter 3, Chapman & Hall, London, England* 36, 79-81.

Chem Codes: EcoReference No.: 70717

Chemical of Concern: SZ,MTL,PHMD,SXD,IZP,DMB; Rejection Code: REFS CHECKED/REVIEW.

15. CORWIN DL, DAVID, A., and GOLDBERG, S. (1999). **Mobility of arsenic in soil from the Rocky Mountain Arsenal area.** *JOURNAL OF CONTAMINANT HYDROLOGY*; 39 35-58.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Ecology/ Biochemistry/ Air Pollution/ Soil Pollutants/ Water Pollution/ Methods/ Plants/ Soil/ Herbicides/ Pest Control/ Pesticides

16. CURRAN WS, LOUX MM, LIEBL RA, and SIMMONS FW (1992). **Photolysis of imidazolinone herbicides in aqueous solution and on soil.** *WEED SCI*; 40 143-148.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Body Water/ Biochemistry/ Darkness/ Light/ Lighting/ Microbiology/ Air Pollution/ Soil Pollutants/ Water Pollution/ Biodegradation/ Industrial Microbiology/ Soil Microbiology/ Biophysics/ Plants/Metabolism/ Plants/Physiology/ Water/Metabolism/ Oils/ Plants/Growth & Development/ Soil/ Grasses/Growth & Development/ Soil/ Methods/ Plants/ Soil/ Soil/ Fertilizers/ Soil/ Herbicides/ Pest Control/ Pesticides/ Microbiology/ Plants

17. DARBOURET, D. (1995). **DETECTION OF PESTICIDES RESIDUES IN FOOD BEVERAGES AND SOIL BY IMMUNOASSAY AU - PILETTE JF.** *MEDEDELINGEN FACULTEIT LANDBOUWKUNDIGE EN TOEGEPASTE BIOLOGISCHE WETENSCHAPPEN UNIVERSITEIT GENT*; 60 497-502.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. RRM RESEARCH ARTICLE METHODS AND TECHNIQUES TOXICOLOGY-PESTICIDES IMMUNOASSAY BENOMYL FUNGICIDE FRUITS FRUIT JUICE WINE IMAZAPYR HERBICIDE PESTICIDE RESIDUES SOIL ANALYTICAL METHOD Food Additives/Poisoning/ Food Additives/Toxicity/ Food Contamination/ Food Poisoning/ Food Preservatives/Poisoning/ Food Preservatives/Toxicity/ Immunity/ Methods/ Plants/ Soil/ Herbicides/ Pest Control/ Pesticides

18. Darmency, H. (1994). **Genetics of Herbicide Resistance in Weeds and Crops.** In: S.B.Powles and J.A.M.Holtum (Eds.), *Herbicide Resistance in Plants: Biology and Biochemistry*, CRC Press Inc., Boca Raton, FL 263-297.

Chem Codes: EcoReference No.: 75530

Chemical of Concern: MCPA,GYP,MBZ,DFQ,SZ,PPN,PAQT,DFP,CMZ,BSF,SXD,PHMD,IZP; Rejection Code: REVIEW.

19. DENNY RP and NAUDE DC (1994). **Imazapyr applied to cut-stumps kills *Chromolaena odorata*.** *APPLIED PLANT SCIENCE*; 8 43-45.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Climate/ Ecology/ Meteorological Factors/ Biochemistry/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Plants

20. DOEHNER, R. (1991). **SYNTHESIS OF IMIDAZOLINONE HERBICIDES**. *SCI*; 31 *PESTIC* 589-592.

Chem Codes: Chemical of Concern: IZP; Rejection Code: **CHEM METHODS**.

BIOSIS COPYRIGHT: BIOL ABS. RRM IMAZAMETHABENZ METHYL IMAZAPYR IMAZAQUIN IMAZETHAPYR ASSERT ARSENAL SCEPTER PURSUIT HERBICIDE AGRICHEMICAL Biochemistry/ Comparative Study/ Biochemistry/Methods/ Biochemistry/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides

21. Doherty, M. A. (1998). **Biochemical Toxicology of Herbicide Mixtures On Thalassiosira weissflogii**. *Dissertation abstracts international part b: science and engineering [diss. Abst. Int. Pt. B - sci. & Eng.]*. Vol. 58, no. 11, p. 5869. May 1998.

Chem Codes: Chemical of Concern: IZP; Rejection Code: **ABSTRACT**.

Classification: Q5 01504 Effects on organisms

Subfile: ASFA 3: Aquatic Pollution & Environmental Quality

22. DOHERTY MA, HELLING CS, and DAWSON, R. (1998). **BIOCHEMICAL TOXICOLOGY OF HERBICIDE MIXTURES OF THALASSIOSIRA WEISFLOGII**. *215TH AMERICAN CHEMICAL SOCIETY NATIONAL MEETING, DALLAS, TEXAS, USA, MARCH 29-APRIL 2, 1998. ABSTRACTS OF PAPERS AMERICAN CHEMICAL SOCIETY*; 215 AGRO 13.

Chem Codes: Chemical of Concern: IZP; Rejection Code: **ABSTRACT**.

BIOSIS COPYRIGHT: BIOL ABS. RRM MEETING ABSTRACT THALASSIOSIRA-WEISFLOGII ALACHLOR HERBICIDE ATRAZINE FLURIDONE GLYPHOSATE IMAZAPYR PESTICIDES TOXICOLOGY AGRICHEMICALS Congresses/ Biology/ Biochemistry/ Poisoning/ Animals, Laboratory/ Herbicides/ Pest Control/ Pesticides/ Algae

23. Dozier, H., Gaffney, J. F., McDonald, S. K., Johnson, E. R. R. L., and Shilling, D. G. (1998). **Cogongrass in the United States: History, ecology, impacts, and management**. *Weed Technology* 12: 737-743.

Chem Codes: Chemical of Concern: IZP; Rejection Code: **Glyphosate/Imazapyr/Integrated management/Perennial weed control/SURVEY**.
0890-037X.

24. DUDA AM, DYBA, M., KOZLOWSKI, H., MICERA, G., and PUSINO, A. (1996). **Copper (II) complexes of the imidazolinone herbicide imazapyr**. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*; 44 3698-3702.

Chem Codes: Chemical of Concern: IZP; Rejection Code: **NO TOX DATA**.

BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/ Minerals/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides

25. Durkin, P. and Follansbee, M. (2004). **Imazapyr - Human Health and Ecological Risk Assessment - Final Report**. *SERA TR 04-43-17-05b, Syracuse Environ. Res. Assoc. Inc., Fayetteville, NY 13066-0950* 149 p.

Chem Codes: EcoReference No.: 76966

Chemical of Concern: IZP; Rejection Code: **REVIEW**.

26. FERGUSON BS, LARKIN KA, MATT JJ, and MICHAEL JL (1995). **THE DETECTION AND QUANTITATION OF IMAZAPYR ARSENAL IN SOIL BY ENZYME IMMUNOASSAY**. *AMERICAN CHEMICAL SOCIETY NATIONAL MEETING, CHICAGO, ILLINOIS, USA, AUGUST 20-24, 1995. ABSTRACTS*

Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM MEETING ABSTRACT HERBICIDE SOIL HIGH PERFORMANCE LIQUID CHROMATOGRAPHY ANALYTICAL METHOD AGROCHEMISTRY Congresses/ Biology/ Isotopes/ Radiation/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Biophysics/Methods/ Biophysics/ Macromolecular Systems/ Molecular Biology/ Enzymes/Analysis/ Immunity/ Grasses/Growth & Development/ Soil/ Soil/ Herbicides/ Pest Control/ Pesticides

27. FINN, J., QUINN, N., and BUCKMAN, B. (1990). **SYNTHESIS AND HERBICIDAL ACTIVITY OF PYRROLOPYRIDYLIMIDAZOLINONES.** BAKER, D. R., J. G. FENYES AND W. K. MOBERG (ED.). ACS (AMERICAN CHEMICAL SOCIETY) SYMPOSIUM SERIES, 443. SYNTHESIS AND CHEMISTRY OF AGROCHEMICALS II; MEETING. XIII+609P. AMERICAN CHEMICAL SOCIETY: WASHINGTON, D.C., USA. ILLUS. ISBN 0-8412-1885-4.; 0 (0). 1990 (1991). 133-143.

Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM STRUCTURE-ACTIVITY RELATIONSHIPS Congresses/ Biology/ Biochemistry/Methods/ Biochemistry/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides

28. FLEMING EC, PENNINGTON JC, WACHOB BG, HOWE RA, and HILL DO (1996). **Correction of PREVIEWS 99371103. Removal of N-nitrosodimethylamine from waters using physical-chemical techniques. Correction of issue number from issue 1-2.** JOURNAL OF HAZARDOUS MATERIALS; 51 151-164.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Biophysics/Methods/ Air Pollution/ Soil Pollutants/ Water Pollution

29. FLEMING EC, PENNINGTON JC, WACHOB BG, HOWE RA, and HILL DO (1996). **Removal of N-nitrosodimethylamine from waters using physical-chemical techniques.** JOURNAL OF HAZARDOUS MATERIALS; 51 151-164.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Biophysics/Methods/ Air Pollution/ Soil Pollutants/ Water Pollution

30. FORLANI, G., MANTELLI, M., BRANZONI, M., NIELSEN, E., and FAVILLI, F. (1995). **Differential sensitivity of plant-associated bacteria to sulfonyleurea and imidazolinone herbicides.** PLANT AND SOIL; 176 243-253.

Chem Codes: Chemical of Concern: IZP; Rejection Code: BACTERIA, MICROBE.

BIOSIS COPYRIGHT: BIOL ABS. Ecology/ Plants/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Enzymes/Chemistry/ Bacteria/Physiology/ Bacteria/Metabolism/ Soil Microbiology/ Cereals/ Plants/Growth & Development/ Soil/ Soil/ Tobacco/Growth & Development/ Oils/ Plants/Growth & Development/ Soil/ Grasses/Growth & Development/ Soil/ Soil/ Fertilizers/ Soil/ Herbicides/ Pest Control/ Pesticides/ Azotobacteraceae/ Pseudomonadaceae/ Enterobacteriaceae/ Gram-Positive Endospore-Forming Bacteria/ Grasses/ Plants/ Plants

31. GENNARI, M., NEGRE, M., and VINDROLA, D. (1998). **Adsorption of the herbicides imazapyr, imazethapyr and imazaquin on soils and humic acids.** JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES; 33 547-567.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS Biochemistry/ Soil/ Fertilizers/ Soil/ Herbicides/ Pest Control/ Pesticides

32. Gous, S. F. (1996). **Vegetation Management in Pinus radiata: A Literature Review.** S.Afr.For.J. 41-50.

Chem Codes: EcoReference No.: 70714

Chemical of Concern: SZ,ATZ,IZP; Rejection Code: REFS CHECKED/REVIEW.

33. Graph, S., Herzlinger, G., Kleifeld, Y., and Bargutti, A. (1985(Recd). **IMPROVED WEED CONTROL IN CORN.** *9th Conference of the Weed Science Society of Israel, Rehovot, Israel, Dec. 24-25, 1984. Phytoparasitica* 13 : 1986).

Chem Codes: Chemical of Concern: MTL,IZP; Rejection Code: ABSTRACT.

ABSTRACT: BIOSIS COPYRIGHT: BIOL ABS. RRM ABSTRACT XANTHIUM-SPP EUPHORBIA-GENICULATA AMARANTHUS-BLITOIDES SWEET CORN ATRAZINE ALACHLOR METOLACHLOR ACETOCHLOR METAZACHLOR PYRIDATE BROMOFENOXIM IMAZAPYR

KEYWORDS: General Biology-Symposia

KEYWORDS: Biochemical Studies-General

KEYWORDS: Agronomy-Weed Control

KEYWORDS: Horticulture-Vegetables

KEYWORDS: Pest Control

KEYWORDS: Gramineae

KEYWORDS: Amaranthaceae

KEYWORDS: Compositae

KEYWORDS: Euphorbiaceae

34. HEERING DC, GUENZI AC, PEEPER TF, and CLAYPOOL PL (1992). **Growth response of wheat (*Triticum aestivum*) callus to imazapyr and in vitro selection for resistance.** *WEED SCI*; 40 174-179.

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/ Amino Acids/ Peptides/ Proteins/ Amino Acids/Metabolism/ Peptides/Metabolism/ Proteins/Metabolism/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Plants/Growth & Development/ Biophysics/ Plants/Metabolism/ Cereals/ Plants/Growth & Development/ Soil/ Environmental Pollution/ Plant Diseases/ Weather/ Herbicides/ Pest Control/ Pesticides/ Grasses

35. HELLING CS and DOHERTY MA (1995). **Improved method for the analysis of imazapyr in soil.** *PESTICIDE SCIENCE*; 45 21-26.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/Methods/ Biochemistry/ Methods/ Plants/ Soil/ Soil/ Herbicides/ Pest Control/ Pesticides

36. IPOR IB and PRICE CE (1992). **Effect of shade on uptake, translocation, distribution and activity of imazapyr on *Mikania micrantha* H.B.K.** *JOURNAL OF PLANT PROTECTION IN THE TROPICS*; 9 161-168.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Ecology/ Plants/ Biochemistry/ Darkness/ Light/ Lighting/ Movement/ Poisoning/ Animals, Laboratory/ Biophysics/ Light/ Plants/Physiology/ Plants/Metabolism/ Plants/Radiation Effects/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Plants

37. KANAGASABAPATHI, S., HAUGHN GW, and MURAI, N. (1988). **ACETOLACTATE SYNTHASE GENE FROM IMAZAPYR-RESISTANT ARABIDOPSIS-THALIANA.** *SYMPOSIUM ON THE MOLECULAR BASIS OF PLANT DEVELOPMENT HELD AT THE 17TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, MARCH 26-APRIL 2, 1988. J CELL BIOCHEM SUPPL*; 0 (12 PART C). 1988. 174.

Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM ABSTRACT HERBICIDE Congresses/ Biology/ Plants/Cytology/

Plants/*Genetics/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Enzymes/Physiology/ Biophysics/
Plants/Enzymology/ Environmental Pollution/ Plant Diseases/ Weather/ Herbicides/ Pest Control/ Pesticides/ Plants

38. KENT LM, WILLS GD, and SHAW DR (1991). **Influence of ammonium sulfate, imazapyr, temperature, and relative humidity on the absorption and translocation of imazethapyr.** *WEED SCI*; 39 412-416.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/ Carbohydrates/ Temperature/ Biophysics/ Plants/Metabolism/
Plants/Physiology/ Water/Metabolism/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Temperature/
Biophysics/ Plants/Physiology/ Plants/*Metabolism/ Grasses/Growth & Development/ Soil/ Environmental
Pollution/ Plant Diseases/ Weather/ Plants

39. Konnai, M. (1993). **Development of Herbicides and Changes in Their Potencies.** *Agrochem.Jpn.* 18-19.

Chem Codes: User Define 2: REPS,WASH,CALF,CORE,SENT,NA

Chemical of Concern: SZ,SXD, SZ,SXD,IZP; Rejection Code: NO TOX DATA.

40. Lambert, S. D., Graham NJD*, and Croll, B. T. (1996). **Degradation of selected herbicides in a lowland surface water by ozone and ozone-hydrogen peroxide.** *Ozone: science & engineering [ozone sci. Eng.].* Vol. 18, no. 3, pp. 251-269. 1996.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES.

Classification: SW 3060 Water treatment and distribution

Classification: P 2000 FRESHWATER POLLUTION

Classification: Q5 01505 Prevention and control

Subfile: Water Resources Abstracts; Pollution Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality

41. Landstein, D., Arad, S., Barak, Z. *, and Chipman, D. M. (1993). **Relationships among the herbicide and functional sites of acetohydroxy acid synthase from *Chlorella emersonii*.** *Planta* 191: 1-6.

Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

Classification: K 03019 Algae

Classification: G 07341 GENERAL

Classification: Q5 01504 Effects on organisms

Classification: K 03078 Algae

Subfile: Microbiology Abstracts C: Algology, Mycology & Protozoology; Genetics Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality

42. LAROCHE FB (1998). **Managing melaleuca (*Melaleuca quinquenervia*) in the Everglades.** *WEED TECHNOLOGY*; 12 726-732.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

BIOSIS COPYRIGHT: BIOL ABS. The intent Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/
Pesticides/ Plants

43. Lee Hsin-Ling, Chen Kuan-Wen*, and Wu Ming-Ho (1999). **Acute poisoning with a herbicide containing imazapyr (Arsenal): A report of six cases.** *Journal of toxicology: clinical toxicology [j. Toxicol.: Clin. Toxicol.].* Vol. 37, no. 1, pp. 83-89. 1999.

Chem Codes: Chemical of Concern: IZP; Rejection Code: HUMAN HEALTH.

Classification: X 24131 Acute exposure

Classification: H 5000 Pesticides

Subfile: Toxicology Abstracts; Health & Safety Science Abstracts

44. Leone, P, Gennari, M, Negre, M, and Boero, V (2001). **Role of ferrihydrite in adsorption of three imidazolinone herbicides.** *Journal Of Agricultural And Food Chemistry* 49: 1315-1320.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.
[Journal Article; In English; United States]

45. Leone, P, Negre, M, Gennari, M, Boero, V, Celis, R, and Cornejo, J (2001). **Adsorption of imidazolinone herbicides on ferrihydrite-humic acid associations.** *Journal Of Environmental Science And Health. Part. B, Pesticides, Food Contaminants, And Agricultural Wastes* 36: 127-142.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.
[Journal Article; In English; United States]

46. Leone, P, Negre, M, Gennari, M, Boero, V, Celis, R, and Cornejo, J (2002). **Adsorption of imidazolinone herbicides on smectite-humic acid and smectite-ferrihydrite associations.** *Journal Of Agricultural And Food Chemistry* 50: 291-298.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.
[Journal Article; In English; United States]

47. Little, D. L., Ladner, D. W., Shaner, D. L., and Ilnicki, R. D. (1994). **Modeling root absorption and translocation of 5-substituted analogs of the imidazolinone herbicide, imazapyr.** *Pesticide science*, 41 (3) pp. 171-185, 1994.

Chem Codes: Chemical of Concern: IZP; Rejection Code: MODEL.
Classification: 92.1.5.6 BIOCHEMISTRY: Metabolism: Xenobiotics
Classification: 92.10.4.1 CROP SCIENCE: Crop Protection: Weeds
Subfile: Plant Science

48. MALLIPUDI NM, STOUT SJ, DACUNHA AR, and LEE A-H (1991). **Photolysis of imazapyr (AC 243997) herbicide in aqueous media.** *J AGRIC FOOD CHEM*; 39 412-417.

Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.
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[on SciFinder (R)] Copyright: Copyright 2005 ACS on SciFinder (R))

Database: CAPLUS
 Accession Number: AN 1998:396408
 Chemical Abstracts Number: CAN 129:145835
 Section Code: 5-3
 Section Title: Agrochemical Bioregulators
 Document Type: Journal
 Language: written in English.
 Index Terms: *Nassella trichotoma* (efficacy of herbicides against serrated tussock); Herbicides (serrated tussock control by)
 CAS Registry Numbers: 1912-24-9 (Gesaprim); 22898-01-7 (Frenock); 38641-94-0 (Roundup); 55219-65-3 (Spinnaker); 81510-83-0 (Arsenal); 81591-81-3 (Touchdown); 104040-78-0 (SL-160); 104098-48-8 (AC263222); 111479-05-1 (Correct); 114311-32-9 (AC299263); 129630-19-9 (ET-751) Role: AGR (Agricultural use), BAC (Biological activity or effector, except adverse), BSU (Biological study, unclassified), BIOL (Biological study), USES (Uses) (serrated tussock control by)
 Citations: Campbell, M; Agricultural Gazette of New South Wales First Edition 1961, 1
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 (USA), 11-15 Nov 1990
 Classification: P 5000 LAND POLLUTION
 Classification: D 04802 Pollution characteristics and fate
 Classification: Q5 01503 Characteristics, behavior and fate
 Classification: P 2000 FRESHWATER POLLUTION
 Subfile: Pollution Abstracts; Ecology Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality

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Chem Codes: Chemical of Concern: IZP; Rejection Code: MODEL.
 BIOSIS COPYRIGHT: BIOL ABS. Mathematics/ Statistics/ Biology/ Air Pollution/ Soil Pollutants/ Water Pollution/ Trees/ Herbicides/ Pest Control/ Pesticides

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[Journal Article; In English; England]

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BIOSIS COPYRIGHT: BIOL ABS. RRM CHLORSULFURON IMAZAPYR METSULFURON SULFOMETURON Congresses/ Biology/ Biochemistry/ Grasses/Growth & Development/ Soil/ Environmental Pollution/ Plant Diseases/ Weather/ Herbicides/ Pest Control/ Pesticides/ Plants

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Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.
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Chem Codes: Chemical of Concern: IZP; Rejection Code: NO SPECIES, FATE, NO TOX DATA.
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Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.
BIOSIS COPYRIGHT: BIOL ABS. RRM MEETING ABSTRACT MELALEUCA BOTRYOSPHAERIA-RIBIS

WEED FUNGUS MYCOHERBICIDE PATHOGEN PATHOLOGY PEST MANAGEMENT FUNGUS-HERBICIDE MIXTURES IMAZAPYR HERBICIDE GLYPHOSATE TRICLOPYR STUMP SPROUT REDUCTION PLANT WEED CONTROL METHOD FIELD METHOD FLORIDA USA Congresses/ Biology/ Grasses/Growth & Development/ Soil/ Fungi/ Plant Diseases/ Herbicides/ Pest Control/ Pesticides/ Ascomycota/ Plants

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BIOSIS COPYRIGHT: BIOL ABS. Mixi Grasses/Growth & Development/ Soil/ Fungi/ Plant Diseases/ Herbicides/ Pest Control/ Pesticides/ Ascomycota/ Plants

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BIOSIS COPYRIGHT: BIOL ABS. RRM ABSTRACT HERBICIDES Congresses/ Biology/ Plants/Cytology/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Amino Acids/Metabolism/ Peptides/Metabolism/ Proteins/Metabolism/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Plants/*Growth & Development/ Biophysics/ Plants/Metabolism

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BIOSIS COPYRIGHT: BIOL ABS. RRM RESEARCH ARTICLE TOXICOLOGY IMAZAPYR PESTICIDE POLLUTANT PHOTOLYSIS WATER RESIDUES CHLOZOLINATE BIOCHEMISTRY AND BIOPHYSICS Biochemistry/ Biophysics/ Poisoning/ Animals, Laboratory/ Herbicides/ Pest Control/ Pesticides

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Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM ABSTRACT DOMINANT MUTATION HERBICIDE Congresses/ Biology/ Plants/Cytology/ Plants/*Genetics/ Biochemistry/ Nucleic Acids/ Purines/ Pyrimidines/ Amino Acids/ Peptides/ Proteins/ Biophysics/ Macromolecular Systems/ Molecular Biology/ Enzymes/Physiology/ Biophysics/ Plants/Enzymology/ Environmental Pollution/ Plant Diseases/ Weather/ Herbicides/ Pest Control/ Pesticides/ Plants

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BIOSIS COPYRIGHT: BIOL ABS. RRM PHASEOLUS-LIMENSIS HERBICIDE ENZYME INTERACTION VALINE LEUCINE ISOLEUCINE ENZYME ACTIVITY INHIBITION PLANT VEGETABLE Congresses/ Biology/ Biochemistry/ Amino Acids/ Peptides/ Proteins/ Enzymes/Physiology/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Plants/Growth & Development/ Biophysics/ Plants/Enzymology/ Vegetables/ Herbicides/ Pest Control/ Pesticides/ Legumes

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Chem Codes: Chemical of Concern: IZP; Rejection Code: IN VITRO.

BIOSIS COPYRIGHT: BIOL ABS. RRM CORN PLANT AMINO ACID BIOSYNTHESIS HERBICIDE AGRICHEMICAL Congresses/ Biology/ Biology/Methods/ Amino Acids/Analysis/ Peptides/Analysis/ Proteins/Analysis/ Amino Acids/ Peptides/ Proteins/ Biophysics/Methods/ In Vitro/ Tissue Culture/ Biophysics/ Plants/Enzymology/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Grasses

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Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM BOOK CHAPTER MEETING PAPER PLANT WEED PESTICIDES IMIDAZOLINONE TRANSLOCATION MECHANISM HERBICIDE ENZYME INHIBITOR ABSORPTION ACETOHYDROXYACID SYNTHASE INHIBITION LOCALIZATION REGULATION Congresses/ Biology/ Biochemistry/ Enzymes/Physiology/ Herbicides/ Pest Control/ Pesticides/ Plants

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ABSTRACT: BIOSIS COPYRIGHT: BIOL ABS. KEYWORDS: Ecology

KEYWORDS: Biochemical Studies-General

KEYWORDS: Metabolism-General Metabolism

KEYWORDS: Toxicology-Environmental and Industrial Toxicology

KEYWORDS: Physiology and Biochemistry of Bacteria

KEYWORDS: Public Health: Environmental Health-Air

KEYWORDS: Food and Industrial Microbiology-Biodegradation and Biodeterioration

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KEYWORDS: Streptomycetes and Related Genera (1992-)

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Classification: SW 2010 Control of water on the surface

Classification: D 04715 Reclamation

Classification: P 9000 ENVIRONMENTAL ACTION

Classification: Q5 01521 Mechanical and natural changes

Classification: EE 10 General Environmental Engineering

Classification: SW 0860 Water and plants

Subfile: Water Resources Abstracts; Ecology Abstracts; Pollution Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality; Environmental Engineering Abstracts

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BIOSIS COPYRIGHT: BIOL ABS. Biochemistry/ Air Pollution/ Soil Pollutants/ Water Pollution/ Soil

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Chem Codes: Chemical of Concern: IZP; Rejection Code: ABSTRACT.

BIOSIS COPYRIGHT: BIOL ABS. RRM SOYBEAN SELECTIVITY Congresses/ Biology/ Biochemistry/Methods/ Biochemistry/ Oils/ Plants/Growth & Development/ Soil/ Grasses/Growth & Development/ Soil/ Herbicides/ Pest Control/ Pesticides/ Legumes

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Classification: 92.1.5.6 BIOCHEMISTRY: Metabolism: Xenobiotics

Subfile: Plant Science

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BIOSIS COPYRIGHT: BIOL ABS. Temperature/ Bacteria/Physiology/ Bacteria/Metabolism/ Sanitation/ Sewage/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Temperature/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Plants/Growth & Development/ Biophysics/ Plants/Physiology/ Plants/Metabolism/ Plants/Anatomy & Histology/ Reproduction/ Cereals/ Plants/Growth & Development/ Soil/ Methods/ Plants/ Soil/ Vegetables/ Plants/Growth & Development/ Plants/Growth & Development/ Fungi/ Plant Diseases/ Bacteria/ Plant Diseases/ Plant Diseases/ Preventive Medicine/ Pseudomonadaceae/ Gram-Positive Endospore-Forming Bacteria/ Ascomycota/ Basidiomycota/ Mitosporic Fungi/ Plants/ Grasses/ Plants

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Chem Codes: Chemical of Concern: IZP; Rejection Code: NO TOX DATA.

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