

BIBLIOGRAPHY

- Abivardi, C. and Benz, G. 1984. Tests with the extracts of 21 medicinal plants for antifeeding activity against larvae of Pieris brassicae L. (Lep., pieridae). Mitteilvngen Der Schweizerischen Entomologischen Gesellschaft Bulletin De La Societe Entomologique Suisse., 57, 383 - 392.
- Adams, C.M. and Bernays, E.A. 1978. The effect of combinations of deterrents on the feeding behaviour of Locusta migratoria. Entomologia. Exp. Appl., 23p.
- Akeson, W.R., Manglitz, G.R., Gorz, H.J. and Haskins, F.A. 1967. A bioassay for detecting compounds which stimulate or deter feeding by the sweet clover weevil. J. Econ. Entomol., 60 : 1082 - 1084.
- Akeson, W.R., Gorz, H.J., Haskins, F.A. and Manglitz, G.R. 1968 a. A water soluble factor in Melilotus officinalis leaves which stimulates feeding by adult sweet clover weevil. J. Econ. Entomol., 61(4) : 1111 - 1112.
- Akeson, W.R., Gorz, H.J., Haskins, F.A. and Manglitz, G.R. 1968 b. Water soluble factors in Melilotus officinalis leaves which influence feeding by the sweet clover weevil. Crop. Sci., 8 : 574 p.

- Akeson, W.R., Gary, L.B. and Manglitz, G.R. 1969. Nitrate as to feeding by the sweet clover weevil. J. Econ. Entomol., 62(5) : 1169 - 1172.
- Alexander P., Kitchener J.A. and Briscoe H.V.A. 1944. Inert dust insecticides. I. Mechanism of action. Ann. Appl. Biol., 31; 143 - 149.
- Alfaro, R.I., Pierce, H.D. Jr., Borden, J.H. and Oehlschlager, A.C. 1981. Insect feeding and oviposition deterrents from western red cedar foliage. J. Chem. Ecol., 7(1) : 39 - 48.
- Alford, A.R. and Bentley, M.D. 1986. Citrus limonoids as potential antifeedants for the spruce budworm, (Lepidoptera : Tortricidae). J. Econ. Entomol., 79 : 35 - 38.
- Ali, S.I., Singh, O.P. and Misra, U.S. 1983. Effectiveness of plant oils against pulse beetle, Callosobruchus chinensis Linn., Indian J. Entomol., 45(1) : 6 - 9.
- Alm, S.R., Hall, F.R., Ladd, T.L. and Williams, R.N. 1985. A chemical attractant for Glischrochilus quadrisignatus (Coleoptera : Nitidulidae). J. Econ. Entomol., 78 : 839 - 843.
- Alm, S.R., Hall, F.R., McGovern, T.P. and Williams, R.N. 1986. Attraction of Glischrochilus quadrisignatus (Coleoptera: Nitidulidae) to semiochemicals : Butyl acetate and propyl propionate. J. Econ. Entomol., 79 : 645 - 658.

- Ambika, D.D. and Mohandas, N. 1982. Relative efficacy of some antifeedants and deterrents against insect pests of stored paddy. Entomon., 73(3) : 261 - 264.
- Anon, 1959. Laboratory evaluation of promising compounds as repellents to flour beetles, Tribolium spp. U.S.D.A. Agric. Mktg. Res. Rep., No. 324, 46 pp.
- Anon, 1966. Insect pest management and control. U.S.A., Washington. pp. 282 - 289.
- Antonious, A.G. and Tetsuo, S. 1982. Mode of action of antifeeding compounds in the larvae of tobacco cutworm, Spodoptera litura (Lepidoptera : Noctuidae) : 1. Antifeeding activities of chlor-dimeform and some plant diterpenes. Appl. Entomol. Zool., 16(4) : 328 - 334.
- Arnason, J.T., Philogene, B.J.R., Donskov, N., Hudon, M., McDougall, C., Fortier, G., Morand, P., Gardner, D., Lambert, J., Morris, C. and Nozolillo, C. 1985. Antifeedant and insecticidal properties of Azadirachtin to the European corn bores, Ostrinia nubilalis. Entomol. Exp. Appl., 38 : 29 - 34.
- Atri, B.S. and Prasad, R. 1979. Studies on the pesticidal values of neem oil by-products. Workshop on "Futurology of use of chemicals in agriculture with particular references to future trends in

pest control" held from Aug, 30 to Sept, 1, 1979
at T.N. Agric. Univ. Coimbatore.

Atri, B.S. and Singh, R.P. 1977. A note on the biological
activity of the oil of the Lantana camara Linn.,
Indian J. Entomol., 39(4) : 384 - 385.

Attwater, W.A. and Busch, L.V. 1983. Role of the sap beetle,
Glischrochilus quadrisignatus in the epidemiology
of gibberella corn ear root. Can. J. Plant. Pathol.,
5 : 158 - 163.

Ball, H.J. and Chaudhury, M.F.B. 1973. A sex attractant of
the western corn rootworm. J. Econ. Entomol.,
66 : 1051 - 1053.

Barnes, D.K. and Ratcliffe, R.H. 1967. Leaf-disk method
of testing Alfalfa plants for resistance to feed-
ing by adult Alfalfa weevils. J. Econ. Entomol.,
60(6) : 1561 - 1565.

Barreto, B.A., Nelson, G.V. and Wilson, C. 1984. Effect
of insecticides, inert material and edible oil
in bean weevil control Acanthoscelides obtectus
(Coleoptera : Bruchidae). Agron. Sulriograndense.,
19(1) : 71 - 76.

Barrett, J.R. Jr., Deay, H.O. and Hartwock, J.G. 1971.
Reduction in insect damage to cucumber, tomatoes,
and sweet corn through use of electric light traps.
J. Econ. Entomol., 64 : 1241 - 1249.

- Bartelt, R.J. and Chiang, H.C. 1977. Field studies involving the attractant pheromone of the western and northern corn rootworm. Environ. Entomol., 6 : 853 - 861.
- Belles, X., Camps, F. and Piulachs, M.D. 1985. Insect antifeedant activity of clerodane diterpenoids against larvae of Spodoptera littoralis (Boisd.) (Lepidoptera). J. Chem. Ecol., 11(10) : 1439-1445.
- Berneys, E.A. 1983. Antifeedants in crop pest management. pp. 259 - 269. In: Current themes in tropical science", Vol.2. Natural products for innovative pest management. eds. D.C. whitehead and W.S. Bowers, Pergamon Press. New York.
- Bestmann, Hans Juergen, Beat Classen, Uwekobold, Oho Vostrowsky, Fred Klingauf, Harald Strobel and Knobloch, K. 1984. Herbal insecticides : 2, 1. The essential oil from leaves of Chrysanthemum balsamita L. insecticidal activity and composition. Z. Naturforsch. Sectt C. Bio. Sci., 39(6) : 543 - 547.
- Blaney, W.M., Simmonds, M.S.J., Ley, S.V. and Jones, P.S. 1988. Insect antifeedants : A behavioural and electrophysiological investigation of natural and synthetically derived clerodane diterpenoids. Entomol. Exp. Appl., 46(3) : 267 - 274.
- Bodenstein, O.F. and Fales, J.H. 1976. Laboratory evaluations

- of compounds as repellents to cockroaches, 1953-1974. U.S. Dept. Agric. Prod. Res. Rep., 164.
- Bowry, S.K., Pandey, N.D. and Tripathi, R.A. 1984.
Evaluation of certain oil seed cake powders as grain protectant against Sitophilus oryzae Linn., Indian J. Entomol., 46(2) : 196 - 200.
- Burden, G.S. and Eastin, J.L. 1960. Laboratory evaluations of cockroach repellents. Pest Control., 28 : 14.
- Butterworth, J.H. and Morgan, E.D. 1968. Isolation of a substance(S) suppresses feeding in locust. Chem. Commun., 1 : 23 - 24.
- Butterworth, J.H. and Morgan, E.D. 1971. Investigation of the locust feeding inhibition of the seeds of the neem tree, Azadirachta indica. J. Insect. Physiol., 17 : 969 - 977.
- Buttery, R.G., Kamm, J.A. and Louisa, C.L. 1984. Volatile components of red clover (Trifolium pratense) leaves, flowers and seed pods: Possible insect attractants. J. Agric. Food. Chem., 32(2): 254 - 256.
- Buttery, R.G. and Louisa, C.L. 1985. Volatile components of corn roots: Possible insect attractant. J. Agric. Food. Chem., 33(4): 772 - 774.
- Caius, J.F. 1986. The medicinal and poisonous plants of India. Scientific Publishers, Jodhpur, India.

- Cantelo, W.W. 1974. Black light traps as control agents: an appraisal. Bull. Entomol. Soc. Am., 20 : 279 - 282.
- Carpenter, T.L., Neel, W.W. and Heddin, P.A. 1979. A review of host plant resistance of Pecan, Carya illionensis, to insects and acarina. Bull. Ent. Soc. Amm., 25 : 251 - 257.
- Chandravadana, M.V. 1987. Identification of triterpenoid feeding deterrent of red pumpkin beetle, (Aulacophora foveicollis) from Momordica charantia. J. Chem. Ecol., 13(7): 1689 - 1694.
- Chapman, R.F. 1974. The chemical inhibition of feeding by phytophagous insects. a review. Bull. Entomol. Res., 64 : 339 - 363.
- Chatterji, S., Sarup, P. and Bose, B.N. 1963. Lasioderma serricorne F. (Anobiidae, Coleoptera) as a pest of mustard seeds in storage. Indian J. Ent., 4 : 287 - 291.
- Chavan, S.R., Deshmukh, P.B. and Renapurkar, D.M. 1979. Investigation of indigenous plants for larvicidal activity. Bull. Haffkine. Inst., 7(2) : 23 - 33.
- Chavan, S.R. and Nikam, S.T. 1983. Studies on the larvicidal properties of Nerium indicum (Apocyanaceae) leaves. Bull. Haffkine. Inst., 11(3) : 68 - 70.
- Chen, T.K., Diane, C.A., Norman, C.B. and Wiemer, D.F. 1983.

- Ant repellent triterpenoids from Cordia alliodora.
J. Org. Chem., 48(20) : 3525 - 3531.
- Childs, D.P. 1966. Laboratory evaluation of insecticides
 against cigarette beetle, L. serricorne F., J.
Econ. Entomol., 59(4) : 846 - 849.
- Childs, D.P. 1967. Cigarette beetle control in warehouses
 with HCN, Dichlorvos. J. Econ. Entomol., 60(1) :
 263 - 265.
- Childs, D.P., Phillip, G.L. and Arthur, F.P. Jr. 1966.
 Control of cigarette beetle in tobacco ware-
 houses with automatic Dichlorvos aerosol treat-
 ments. J. Econ. Entomol., 59(2) : 261 - 264.
- Chiw, S.F. 1939. Toxicity studies of socalled "Inert
 material" with the rice weevil and granary
 weevil. J. Econ. Entomol., 32 : 810 - 821.
- Chopra, R.N., Chopra, I.C., Handa, K.L. and Kapur, L.D.
 1958. Chopra's Indigenous Drugs of India.
 pp. 571. Published by Dhur, B.K. of Academic
 Publishers, 5A, Bhawani Dutta Lane, Calcutta.
 700073.
- Chouhan, J.S. and Yadav, T.D. 1984. Toxicity of baythion,
 etrimfos and malathion against different stages
 of Lasioderma serricorne F., Stegubium paniceum L.
 and Latheticus oryzae Waterhouse. Indian J. Entomol.,
46(3) : 277 - 283.

- Chuman, T., Mochizuki, K., Mori, M., Kohno, M., Kato, K.
and Noguchi, M. 1985. Lasioderma chemistry, sex
pheromone of cigarette beetle (Lasioderma serricorne F.)
J. Chem. Ecol., 11 : 417 - 434.
- Conn, J.E., Borden, J.H., Scott, B.E., Friskic, H.D.,
Pierce, Jr. and Ochlschlager, A.C. 1983. Semio-
chemicals for the mountain pine beetle, Dentroctonus
ponderosae (Coleoptera : Scolytidae) in British
Columbia (Canada) : Field trapping studies. Can.
J. For. Res., 13(2) : 320 - 324.
- Cornwell, P.B. 1976. The cockroach, Vol. 2. Associated
Business Programme, London.
- Cotton, R.T. 1960. Pest of stored grain and grain products.
Burgess publishing Co., Minneapolis. pp.276 - 287.
- De Boer, G. and Hanson, F.E. 1987. Feeding responses to
solanaceous allelochemicals by larvae of the
tobacco horn worm, Manduca sexta. Entomol. Exp.
Appl., 45(2) : 123 - 132.
- Derr, R.F., Randall, D.D. and Kieckhefer, R.W. 1964.
Feeding stimulant for western and northern corn
rootworm adults. J. Econ. Entomol. 57 : 963 - 967.
- Dethier, V.G. 1956. Repellents. Ann. Rev. Entomol., 1 :
181 - 203.
- Dick, J. 1937. Oviposition in certain coleoptera. Ann.
Appl. Biol. 24 : 762 - 796.

- Dreyer, D.L., Jones, K.C. and Molyneux, R.J. 1985. Feeding deterrence of some pyrrolizidine, indolizidine, and quinolizidine alkaloids towards pea aphid (Acyrtosiphon pisum) and evidence for phloem transport of indolizidine alkaloid swainsonine. J. Chem. Ecol., 11(8) : 1045 - 1051.
- Ehrlich, P. R. and Raven, P.H., 1964. Butterflies and plants: a study in coevolution. Evolution, 18 : 586 - 608.
- Elliot, M. 1977. Synthetic pyrethroids, pp. 1 - 28. In : Synthetic pyrethroids. eds., Elliot, M. American chemical society symposium series No. 42. American Chemical Society, Washington, D.C.
- Faustini, D.L., Lichman, R.M., Long, J.S. and Manzelli, M.A. 1987. The efficacy of kabat as a surface spray on oriental tobacco bales for control of the cigarette beetle, Lasioderma serricornis F. (Coleoptera : Anobiidae). Beitr. Tabakforsch. Int., 14(1) : 41 - 44.
- Feinstein, L. 1952. Insecticides from plants. Insect year book of agriculture, U.S. Dept. of Agri., Washington., pp. 222 - 229.
- Fleming, W.E. 1969. Attractants for the Japanese beetle. U.S. Dept. Agric. Tech. Bull., 1399; 87 p.
- Foott, W.H. and Hybsky, J.E. 1976. Capture of Glischrochilus quadrisignatus Say. (Coleoptera : Nitidulidae) in bait traps 1970 - 1974. Can. Entomol., 108 : 837 - 839.

- Freedman, B., Mikolajczak, K.L., Smith, C.R. Jr., Kwolek, W.F. and Burkholder, W.E. 1982. Olfactory and aggregation responses of Oryzaephilus surinamensis L. to extracts from oats. J. Stored. Prod. Res., 18 : 75 - 82.
- Gillenwater, H.B., Jurd, L. and McDonald, L.L. 1980. Repellency of several phenolic compounds to adult Tribolium confusum. J. Ga. Entomol. Soc., 15 : 168 - 175.
- Goodhue, L.D. 1960. New techniques for screening cockroach repellents. J. Econ. Entomol., 53 : 805 - 810.
- Goodhue, L.D. and Tissot, C.L. 1952. Determining the repellent action of chemicals to the American cockroach. J. Econ. Entomol., 45 : 133 - 134.
- Goodhue, L.D. and Howell, D.E. 1960. Repellents and attractants in pest control operations. Pest Control., 28 : 44 - 50.
- Goodwin, W.H. 1914. Heat control of mill insects. J. Econ. Entomol., 7 : 313 p.
- Golob, P. and Webley, D.J. 1980. The use of plants and minerals as traditional protectants of stored products. Rep. Trop. Prod. Inst., G- 138 : VI + 32 pp.
- Golob, P., Mwambula, J., Mhango, V. and Ngulube, G. 1982. The use of locally available materials as protectants of maize grain against insect

- infestation during storage in Malawi. J. Stored. Prod. Res., 18(2) : 67 - 74.
- Goonewardene, H.F. 1970. Effect of wick area on attractancy of some lures for the Japanese beetle. J. Econ. Entomol., 63 : 663 - 665.
- Goyal, R.S., Gulati, K.C., Sarup, P., Kidwai, A.M. and Sing, D.S. 1971. Biological activity of various alcohol extractives and isolates of neem (Azadirachta indica) seed cake against Rhopalosiphum nymphae L. and Schistocerca gregaria Forak. Indian J. Entomol., 33(1) : 67 - 71.
- Grossman, E.F. 1931. Heat treatment for the insect pest of stored corn. Bull. Florida. Agric. Exp. Sta., 239 : 24 pp.
- Guerra, A.A. and Shaver, T.N. 1969. Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. J. Econ. Entomol., 62(1) : 98 - 100.
- Guss, P.L. 1976. The sex pheromone of the western corn rootworm (Diabrotica vergifera). Environ. Entomol., 5 : 219 - 223.
- Guss, P.L., Tumlinson, J.H., Sonnet, P.E. and Proveaux, A.T. 1982. Identification of some female produced sex pheromone of the western corn rootworm. J. Econ. Entomol., 8 : 545 - 556.

- Halliday, W.R. and McGovern, T.P. 1987. Structure-activity relationships for repellency of alicyclic carboxamides to adult Tribolium confusum. J. Agric. Entomol., 4(4) : 289 - 296.
- Hare, J.D. 1983. Manipulation of host suitability herbivore pest management, pp. 655 - 680. In : Variable phase of herbivores in natural and managed systems. eds. Demo, A.S. and McLure, M.S. Academic^{press} New York.
- Harish, C. and Ahmed, S.M. 1987. Laboratory evaluation of natural embelin as a grain protectant against some insect pests of wheat in storage. J. Stored. Prod. Res., 23(1) : 41 - 46.
- Harmatha, J. and Nawrot, J. 1984. Comparison of the feeding deterrent activity of some sesquiterpene lactones and a lignan lactone towards selected insect storage pests. Biochem. Syst. Ecol., 12(1) : 95 - 98.
- Hienton, T.E. 1974. Summary of investigation of electric insect traps. U.S. Dept. Agric. Tech. Bull., 1498 : 136 pp.
- Hockenyos, G.L. 1933. Effect of dusts on oriental roach. J. Econ. Entomol., 26 : 792 - 794.
- Hongo, H. and Karel, A.K. 1986. Effect of plant extracts on insect pests of common beans. J. Appl. Entomol., 102(2) : 164 - 169.

- Hurst, M.M. and Black, R.A. 1930. Grain drying in a country elevator. U.S.A. Cir., 127 : 14 p.
- Hussain, M. and Khan, M.Q. 1966. Record of Lasioderma serricorne F. (Anobiidae : Coleoptera) on stored castor beans. Sci. Cult., 33(4) : 212.
- Howe, R.W. 1957. A laboratory study of the cigarette beetle, Lasioderma serricorne F. (Coleoptera : Anobiidae) with a critical review of the literature on its biology. Bull. Ent. Res., 48 : 9 - 56.
- Howe, W.L. and Rhodes, A.M. 1976. Phytophagous insect association with cucurbita in illinois. Environ. Entomol., 5 : 747 - 751.
- Hubert, T.D. and Wiemer, D.F. 1985. Ant repellent terpenoids from Melampodium divaricatum. Phytochemistry(OXF), 24(6) : 1197 - 1198.
- Imms, A.D. 1948. A general text book of Entomology revised edition by E.P. Dutton and Co. Inc. New York.
- Inazuka, S. 1982b. Cockroach repellents contained in oils of Japanese mint and scotch spearmint. J. Pestic. Sci., 7 : 145 - 154.
- Ivbijaro, M.F. 1983. Toxicity of neem seed, Azadirachta indica A. Juss., to sitophilus oryzae in stored maize. Prot. Ecol., 5(4) : 353 - 358.
- Ivbijaro, M.F. 1984. Groundnut oil as a protectant of maize

- from damage by the maize weevil, Sitophilus zeamais. Prot. Ecol., 6(4) : 267 - 270.
- Jacobson, M. 1958. Insecticides from plants, a review of the literature. 1941 - 1953. U.S.D.A. Handb., 154 : 299 p.
- Jacobson, M. 1975. Insecticides from plants, a review of literature, 1954 - 1971. U.S.D.A. ARS Agric. Hand. book., No. 461 : 138 pp.
- Jacobson, M. 1981. Neem research in the U.S. Department of agriculture: chemical, biological, and cultural aspects, pp.33 - 42. In: "Natural pesticides from the neem tree (Azadirachta indica A. Juss)". eds. Schmutterer, H., Ascher, K.R.S., and Rembold, H. Proc. Ist. Int. Neem Conf., Rottach-Egern. 1980.
- Jacobson, M, Reed, D.K., Cystal, M.M., Moreno, D.S. and Soderstrom, E.L. 1978. Chemistry and biological activity of insect feeding deterrents from certain weed and crop plants. Entomol. Exp. Appl., 24 : 448 - 457.
- Jermy, D., 1971. Biological background and out-look of the antifeedant approach to insect control. Acta phytopath. Acad. Sci. Hung. 6 : 253 - 260.
- Jilani, G. and Malik, M.M. 1973. Studies on neem plant as repellent against the stored grain insects. Pak. J. Sci. Ind. Res., 16 : 251 - 254.

- Jilani, G. and Su, Helen, C.F. 1983. Laboratory studies on several plant materials as insect repellents for protection of cereal grains. J. Econ. Entomol., 76(1) : 154 - 157.
- Jilani, G., Saxena, R.C. and Rueda, B.P. 1988. Repellent and growth inhibiting effects of turmeric oil, sweetflag oil, neem oil and "Margosan O" on red flour beetle (Coleoptera : Tenebrionidae) J. Econ. Entomol., 81(4) : 1226 - 1230.
- Joshi, P. and Usher, 1986. Fish Stupefying plants ^memployed by triabals of southern Rajasthan. A Probe. Current. Science, 55(14) : 697 - 699.
- Kamm, J.A. and Buttery, R.G. 1984. Root volatiles components of red clover (Trifolium pratense) : Identification and bioassay with the clover root borer (Hylastinus obscurus) (Coleoptera : Scolytidae). Environ. Entomol., 13(5) : 1427 - 1430.
- Ketkar, C.M. 1976. Final technical Report on "Utilisation of neem (Azadirachta indica A. Juss.) and its byproducts." Khadi and Village Industries Commission, 3-Irle Road, Vile parle, Bombay.
- Keever, D.W. and Daniel, C.L. 1983. Effect of light trap height and light source on the capture of Cathartus quadricollis (Coleoptera : Cucujidae) and Callosobruchus maculatus (Coleopera : Bruchidae) in a warehouse. J. Econ. Entomol., 76(5): 1080 - 1082.

- Khan, A. A. 1977. Mosquitoes attractants and repellents. pp. 305 - 325, In: Chemical control of insect behaviours : theory and application. eds. Shorey, H.H. and McKelvey, J.J., Wiley, New York.
- Khan M.A. 1981. Repellents against stored product insects. Anz. Schadlingskde., Pflanzenschutz, Umweltschutz., 54 : 70 - 77.
- Khan, M.A. 1983. Repellency of chemical compounds to stored product insect pests. Z. Anzew. Zool., 70(3) : 369 - 382.
- Khan, M.M.Y., Ahmed, F., Ahmed, I. and Osman, S.M. 1983. Nonedible seed oils as insect repellent. J. Am. Oil. Chem. Soc., 60(5) : 949 - 950.
- Kirpatric, R.L. and Gillenwater, H.B. 1981. Toxicity of selected insecticidal aerosols, dusts, and sprays to 2 species of stored product insects. J. Ga. Entomol. Soc., 16(2) : 175 - 180.
- Klocke, J.A. and Kubo, I. 1982. Citrus limonoid byproducts as insect control agents. Entomol. Exp. Appl., 32 : 299 - 301.
- Klocke, J.A., Darlington, M.V. and Balandrin, M.F. 1987. 1,8-Cineole (Eucalyptol), a mosquito feeding and ovipositional repellent from volatile oil Hemizonia fitchi (Asteraceae). J. Chem. Ecol., 13(2) : 2131 - 2142.

- Kohno, Masahiro, Tatsuji Chuman, Kunio Kato and Masao Nogochi. 1983. The olfactory responses of the cigarette beetle, L. serricorne F. to various host foods and cured tobacco extracts. Appl. Entomol. Zool., 18(3) : 401 - 406.
- Koul, O. 1983. Feeding deterrence induced by plant limonoids in the larvae of Spodoptera litura (Lepidoptera : Noctuidae). Z. Anzew. Entomol., 95(2) : 166 - 171.
- Kraus, W., Cremer, R., Bokel, M., and Sawitzki, G. 1981. New insect antifeedants from Azadirachta indica and Melia azedarach, pp. 55 - 62. In : "Natural pesticides from the neem tree (Azadirachta indica A. Juss)". eds. Schmutterer, H., Ascher, K.R.S., and Rembold, H. Proc. 1st Int. Neem Conf. Rottach-Egern, 1980.
- Kubo, I. and Klocke, J. A. 1982. Azadirachtin, insect ecdysis inhibitor. Agric. Biol. Chem., 46 : 1951 - 1953.
- Kubo, I., and Nakanishi, K. 1977. Insect antifeedants and repellents from African plants. pp. 165 - 178. In : "Host : plant resistance to pests" eds. Hedin, P.A. ACS Sym., Ser. 62, American Chemical Society, Washington D.C.
- Ladd, T.L. Jr. 1980. Neem seed extracts as feeding deterrents for the Japanese beetle, Popillia japonica.

Proc. First. Int. Neem. Conf., 55 - 62.

- Ladd, T.L. Jr. 1984. Eugenol-related attractants for the northern corn rootworm (Diabrotica barberi) (Coleoptera : Chrysomelidae). J. Econ. Entomol. 77(2) : 339 - 341.
- Ladd, T.L., McGovern, T.P., Beroza, M., Townshend, B.G., Klein, M.G. and Lawrence, K.O. 1973. Japanese beetles: Phenethyl esters as attractants J. Econ. Entomol. 66 : 369 - 370.
- Ladd, T.L., McGovern, T.P., Beroza, M., Buriff, C.R. and Klein, M.G. 1976. Japanese beetles : Attractancy of phenethyl propionate + eugenol (3 : 7) and synthetic eugenol. J. Econ. Entomol., 69 : 468 - 470.
- Ladd, T.L., Jacobson, M. and Buriff, C.R. 1978. Japanese beetles : extract from neem tree seeds as feeding deterrents. J. Econ. Entomol., 71 : 810 - 813.
- Ladd, T.L. and McGovern, T.P. 1980. Japanese beetle : a superior attractant, phenethyl propionate + eugenol + geraniol, 3 : 7 : 3. J. Econ. Entomol., 73 : 689 - 691.
- Ladd, T.L., Stinner, B.R. and Krueger, H.R. 1983. Eugenol, a new attractant for the northern corn rootworm (Coleoptera : Chrysomelidae). J. Econ. Entomol., 76 : 1049 - 1051.
- La-Hue, D.W. 1965. Evaluation of malathion synergised

- pyrethrum and diatomaceous earth as wheat protectants in small bins. U.S. Dept. Agric. Res. Serv. Mkt. Res. Rep. No., 726 : 13 p.
- Lavie, D., Jain, M.K. and Sphangabrielith, S.R. 1967.
A locust phagorepellent from two melia species.
Chem. Commun., 18 : 910 - 911.
- Malik, M.M. and Naquvi, S.H.M. 1984. Screening of some indigenous plants as repellents or antifeedants for stored grain insects. J. Stored. Prod. Res., 20(1) : 41 - 44.
- Malik, M.M. and Naqvi, S.H.M. 1984. Isolation and Identification of an insect repellent compound from Saussurea lappa C.B. Clarke. Pakistan. J. Sci. Ind. Res., 27(3) : 144 - 145.
- Mallikarjuna, R.K., Jacobson, S.A. and Mohan, M.S. 1972. Resistance of flexible packaging materials to some important pests of stored products. Indian J. Entomol., 34(2) : 94 - 101.
- Manglitz, G.R. and Gorz, H.J. 1964. Host range studies with the sweet clover aphid and sweet clover weevil. J. Econ. Entomol., 57 : 683 - 687.
- McGovern, T.P., Beroza, M., Ladd, T.L., Ingagni, J.C. and Jurimas, J.P. 1970. Phenethyl propionate, a potent new attractant for Japanese beetle. J. Econ. Entomol., 63 : 1727 - 1729.

- McGovern, T.P., Gouck, H.K., Burden, G.S., Semiento, R., Beroza, M. and Schmidt, C.H. 1974a. N,N-substitued n-alkanesulfonamides as repellents for the yellow fever mosquito and the German cockroach. J. Econ. Entomol., 67 : 71 - 73.
- McGovern, T.P., Bodenstein, O.F., Fales, J.H. and Beroza, M. 1974b. Amides of heterocyclic amines highly effective as repellents against four species of cockroach. J. Econ. Entomol., 67 : 639 - 640.
- McGovern, T.P. and Ladd, T.L. Jr. 1984. Japanese beetle (Coleoptera : Scarabaeidae) attractant: Tests with eugenol substitutes and phenethyl propionate. J. Econ. Entomol., 77(2) : 370 - 373.
- McGovern, T.P., Cunningham, R.T. and Leonhardt, B.A. 1986. Cis-Trimedlure: Attraction of the Mediterranean fruit fly (Diptera : Tephritidae) and isomeric structural assignments. J. Econ. Entomol., 79 : 98 - 102.
- McGovern, T.P., Cunningham, R.T. and Leonhardt, B.A. 1987. Attractiveness of trans-Trimedlure and its four isomers in field tests with the Mediterranean fruit fly (Diptera : Tephritidae). J. Econ. Entomol., 80 : 617 - 620.
- McGovern, T.P. and Cunningham, R.T. 1988. Attraction of Mediterranean fruit flies (Diptera : Tephritidae) to analogs of selected trimedlure isomers.

- J. Econ. Entomol., 81(4) : 1052 - 1056.
- McGovern, T.P., Bodenstein, O.F., Fales, J.H. and Beroza, M. 1975a. N, N-disubstituted n-aliphatic amides as repellents for four cockroach species. J. Med. Entomol., 12 : 259 - 260.
- McGovern, T.P., Burden, G.S. and Beroza, M. 1975b. n-Alkanesulfonamides as repellents for the German cockroach (Orthoptera : Blattellidae). J. Med. Entomol., 12 : 387 - 389.
- McGovern, T.P. and Burden, G.S. 1985. Carboamides of 1,2,3,6-tetrahydropyridine as repellents for the German cockroach, Blattella germanica L. (Orthoptera : Blattellidae). J. Med. Entomol., 22 : 381 - 384.
- McIndoo, N.E. 1945. Plants for possible insecticidal value, a review of the literature upto 1941. U.S.D.A. Handb. E - 661. 286 p.
- McKibben, G.H., Mitchell, B.E., Scott, W.P. and Hedin, P.A. 1977. Boll weevils are attracted to volatile oils from cotton plants. Environ. Entomol., 6 : 804 - 806.
- McLachlan, D.J.T., Arason, B.J.R., Philogene and Champagne, D. 1982. Antifeedant activity of the polyacetyline phenylheptatriyne, from the Asteraceae to Euxos messoria (Lepidoptera : Noctuidae).

- Experientia (Basel) ., 38(9) : 1061 - 1062.
- McMillian, W.W., Bowman, M.C., Burton, R.L., Starks, K.J.
and Wiseman, B.R. 1969. Extract of chinaberry leaf
as a feeding deterrent and growth retardant for
larvae of the corn earworm and fallarmyworm.
J. Econ. Entomol., 62(3) : 708 - 710.
- Mead, R. and Curnow, R.N. 1983. Statistical methods in
agriculture and experimental biology. Printed
in Great Britain by J.W. Arrowsmith Ltd. Bristol.
- Menn, J.J. 1983. Present pesticides and approaches to
discovery of environmentally acceptable chemicals
for pest management, pp. 5 - 32. In: Natural
products for innovative pest management, eds.
Whitehead, D.L. and Bowers, W.S. Pergamon Press,
Oxford.
- Metcalf, R.L. 1979. Plants, Chemicals and Insects: Some
aspects of coevolution. Bull. Entomol. Soc. Amm.,
25 : 30 - 34.
- Metzger, F.W. 1933. Preliminary tests with liquid baits
in Japanese beetle traps. J. Econ. Entomol.,
26 : 411 - 414.
- Mia, M.D., Kabir, K.H. and Ahmed, A., 1986. Efficacy of
some indigenous plant materials as repellents to
Sitophilus oryzae on stored maize. Bangladesh,
J. Agric., 10(3) : 50 - 55.

- Mikolajczak, K.L., Freedman, B., Zilkowski, B.W., Smith, C.R. Jr. and Burkholder, W.E. 1983. Effect of the oat constituents on aggregation behaviour of Oryzaephilus surinamensis L. J. Agric. Food. Chem., 31 : 30 - 33.
- Mikolajczak, K.L., Zilkowski, C.R., Smith, Jr. and Burkholder, W.E. 1984. Volatile food attractants for Oryzaephilus surinamensis L. from oats. J. Chem. Ecol., 10(2) : 301 - 310.
- Minyard, J.P., Hardee, D.D., Gueldner, R.C., Thompson, A.C., Wiygul, G. and Hedin, P.A. 1969. Constituents of the bud compounds attractive to the boll weevil. J. Agric. Food. Chem., 17 : 1093 - 1107.
- Mohiuddin, S., Qureshi, R.A., Khan, M.A., Nasir, M.K.A., Khatri, I.M. and Qureshi, S.A. 1987. Laboratory investigations on the repellency of some plant oils to red flour beetle, Tribolium castaneum H. Pak. J. Sci. Ind. Res. 30(10) : 754 - 756.
- Morallo-Rejesus, B. and Dece Na, A. 1983. The activity, isolation, purification and identification of the insecticidal principles from Tagetes. Philipp. J. Crop. Sci., 7(1) : 31 - 36.
- Munakata, K. 1970. Insect antifeedants in plants. pp.179-187. In: "Control of insect behaviour by natural products". eds. Wood, D.L., Silverstein, R.M., and Nakajima, M. Academic Press, London.

- Munakata, K. 1977. Insect antifeedants of Spodoptera litura in plants. pp. 185 - 196. In : "Host:plant resis - tance to pests", eds. Hedin, P.A. ACS. Sym., Ser. 62, American Chemical Society, Washington D.C.
- Munakata, K. 1977. Insect feeding deterrents in plants. pp. 93 - 102. In : chemical control of insect behaviour. Shorey, H.H. and Mckelvey, J.J. eds. John Wiley and Sons. New York.
- Nakanishi, K. 1974. Structure of the insect antifeedant azadirachtin. Rec. Adv. Phytochem. 9 : 283 - 298.
- Nash, R.J., Katherine, A.F., Angharad, M.R.G. and Arthur, B.E. 1986. Effects of the plant alkaloid, castanospermine as an antimetabolite of storage pests. Entomol. Exp. Appl., 42(1) : 71 - 78.
- Nawrot, J., Smitalova, Z. and Holub, M. 1983. Deterrent activity of sesquiterpene lactones from the Umbelliferae against storage pests. Biochem. Syst. Ecol., 11(3) : 243 - 246.
- Nawrot, J., Drozd, B. and Holub, M. 1985. Feeding deterrent activity of some natural sesquiterpene lactones for selected storage pests. Herba. Pol., 31 : 209 - 214.
- Neeta, R.S. and Patel, B.D. 1987. Evaluation of some plant extracts as protectant against pulse beetle, Callosobruchus maculatus (Fab.) infesting cowpea seed. J. Entomol. Res. (New Delhi), 9(2) : 183-187.

- Norris, D.M., 1977. Role of repellents and deterrents in feeding of Scolytus multistriatus. pp. 215 - 230. ACS.Sym., Ser. 62, American Chemical Society, Washington D.C.
- O'Donnel, M.J., Chambers, J. and McFarland, S.M. 1983. Attractancy to Oryzaephilus surinamensis, saw-toothed grain beetle, of extracts of carobs (Ceratonia siliqua L.), some triglycerides and related compounds. J. Chem. Ecol., 9(3) : 357 - 374.
- Okunade, A.L. and Wiemer, D.F. 1985. Ant repellent sesquiterpene lactones from Eupatorium quadrangulae. Phytochemistry (OXF), 24(6) : 1199 - 1202.
- Pandey, N.D., Singh, S.R. and Tiwari, G.C. 1976. Use of some plant powders oils and extracts as protectant against pulse beetle, Callosobruchus chinensis Linn. Indian J. Entomol., 38(2) : 110 - 114.
- Pandey, N.D., Sing, M. and Tiwari, G.C. 1977. Antifeedant, repellent and insecticidal properties of some indigenous plant materials against mustard saw-fly, Athalia proxima Klung. Indian J. Entomol., 29 : 60 - 64.
- Pandey, U.K., Pandey, M. and Chauhan, S.P.S. 1981. Insecticidal properties of some plant materials extracts against painted bug, Bargrada cruciferarum.

- Indian J. Entomol., 43(4) : 404 - 407.
- Pandey, N.D. Mathura, K.K., Pandey, S. and Tripathi, R.A.
1986. Effect of some plant extracts against
pulse beetle, Callosobruchus chinensis Linn.
Indian J. Entomol., 48(1) : 85 - 90.
- Patel, H.K., Patel, V.C., Chari, M.S., Patel, J.C. and
Patel, J.R. 1968. Neem seed paste suspension -
A, sure deterrent of hairy caterpillars (Amsacta
moorie). Madraj Agric. J., 55 : 9 - 10.
- Peacock, J.W., Susan, L.W. and Robert, D. 1984. Elm
volatiles increase attraction of Scolytus
multistriatus (Coleoptera : Scolytidae) to
multilures. Environ. Entomol., 13(2) : 394 - 398.
- Pereira, J. and Wohlgemuth, R. 1982. Neem (Azadirachta
indica) of west African origin as a protectant
of stored maize. Z. Angew. Entomol., 94(2) :
208 - 214.
- Picman, A.K., Elliot, R.H. and Towars, G.H.N. 1978. Insect
feeding deterrent property of alantolactone. Biochem. Syst. Ecol., 6 : 333 - 335.
- Pomonis, J.G., Flint, H.M. and Smith, R.L. 1980. Analysis
of volatiles from host and nonhost plants of the
pink bollworm. J. Econ. Entomol., 73 : 783 - 786.
- Powell T.E. Jr. 1931. An ecological study of the cigarette
beetle, L. serricorne F. with special reference

- to its life history and control. Ecol. Monograph.,
1 : 33 - 93.
- Pradhan, S., Jotwani, M.G. and Rai, B.K. 1963. The repellent property of some neem products. Bull. Reg. Res. Lab. Jammu., 1 : 149 - 151.
- Pradhan, S. 1968. Analysis of grain storage problem in India. Indian J. Entomol., 30 : 94 - 103.
- Pruthi, H.S. and Singh, M. 1950. Pests of stored grain and their control. Indian J. Agric. Sci., 18 : 52-58.
- Qureshi, S.A., Mohiuddin, S., Fatima, B. and Badar, Y. 1986. Laboratory studies on some plant extracts as mosquito larvicides. Pak. J. Sci. Ind. Res., 29(5) : 361 - 365.
- Raffa, K.F. 1986. Devising pest management tactics based on plant deffense mechanism — theoritical and practical considerations. pp.303 - 329. In : Molecular mechanisms in insect-plant interactions. eds. Ahmed, S. and Braltsten, L.B. Plenum, New York.
- Raffa, K.F. 1987. Influence of host plant on deterrence by Azadirachtin of feeding by fall army worm larvae (Lepidoptera : Noctuidae). J. Econ. Entomol. 80 : 384 - 387.
- Rao, P.J. and Mehrotra, K.N. 1978. Feeding deterrents from Calotropis gigantea for locast. Indian J. Entomol. 40 : 95 - 97.

- Reed, W.D. and Vinzant, J.P. 1942. Control of insects attacking stored tobacco and tobacco products, U.S.D.A. Circ. 635 : p 40.
- Reed, D.K., Jacobson, M., Warthen, J.D. Jr., Uebel, E.C., Tromley, N.J., Jurd, L., and Freeman, B. 1981. Cucumber beetle antifeedants: Laboratory screening of natural products. U.S.D.A. Tech. Bull. No. 1641.
- Reed, D.K. Freeman, B., and Ladd, T.L. Jr. 1982. Insecticidal and antifeedant activity of nerifolin against codling moth, striped cucumber beetle, and japanese beetle. J. Econ. Entomol., 75 : 1093 - 1097.
- Reed, D.K., Warthen, J.D. Jr., Uebel, E.C. and Reed, G.L. 1982. Effect of 2 triterpenoids from neem on feeding by cucumber beetles (Coleoptera : Chrysomelidae). J. Econ. Entomol., 75(6) : 1109 - 1115.
- Roomi, N.W. and Arikuddin, M. 1977. Observations on the repellency of neem plant, Melia azadirachta on some stored grain pests from Pakistan. Z. Angew. Entomol., 84(2) : 124 - 129.
- Saim, N. and Clifton, E.M. 1986. Compounds from leaves of bay (Laurus nobilis) as repellents for Tribolium castaneum when added to wheat flour. J. Stored Prod. Res., 22(3) : 141 - 144.

- Samuel, R., Prabhu, U.K.K. and Narayanan, C.S. 1984.
Influence of spices essential oil on the life
history of Lasioderma serricorne F. Entomol.,
9(3) : 209 - 216.
- Sandhu, G. S. and Darshan, S. 1975. Studies on antifeed-
ing and insecticidal properties of neem
(Azadirachta indica A. Juss.) and dharek, (Melia
azedirach Linn.) kernel fruit powders to Pieris
brassicae Linn. Larvae. Indian J. Pl. Prot., 3 :
177 - 180.
- Saxena, K.N. and Rembold, H. 1984. Attraction of Heliothis
armigera larvae by chick-pea (Cicer arietinum)
seed powder constituents. Z. Anzew. Entomol.
97(2) : 145 - 153.
- Saxena, B.P., Tikku, K., Atwal, C.K. and Koul, O. 1986.
Insect antifertility and antifeedant allelochemicals
in Adhatoda vasica. Insect. Sci. Applic., 7(4) :
489 - 493.
- Schoonhoven, L.M. 1982. Biological aspects of antifeedants.
Entomol. Exp. Appl., 31 : 57 - 69.
- Schwartz, M., Bodenstein, O.F. and Fales, J.H. 1970. Com-
pounds related to cyanoacetic acid as repellents
for cockroaches, J. Econ. Entomol., 63 : 429 - 434.
- Sighamony, S., Anees, I., Chandrakala, T.S., and Osmani, Z.,
1984. Natural products as repellents for Tribolium
castaneum. Int. Pest. Control, 26(6) : 156 - 157.

- Smelyanez, W.P. 1978. Klassifizierung der Resistenzerscheinungen Van Pflanzen gegenüber Schadinsekten,
Dipl thesis, Univ. of Munich.
- Starks, K.J., McMillian, W.W., Sekul, A.A. and Cox, H.C.
1965. Corn earworm larval feeding response to
corn silk and kernel extracts. J. Econ. Entomol.,
58 : 74 - 76.
- Stermitz, F.R. and Sharifi, I.A. 1977. Alkaloids of
Zanthoxylum monophyllum and Z. punctatum,
Phytochemistry, 16 : 2003 - 2006.
- Streibl, M., Nawrot, J. and Herout, V. 1983. Feeding deter-
rent activity of enantiomeric isoalantones.
Biochem. Syst. Ecol. 11(4) : 381 - 382.
- Stubbs, M.R., Chambers, J., Schofield, S.B. and Wilkins,
J.P.G. 1985. Attractancy of Oryzaephilus
surinamensis of volatile materials isolated from
vacuum distillate of heat treated carobs. J.
Chem. Ecol., 11(5) : 565 - 582.
- Subash, J.C., Stephen, N., Eisner, T. and Meinwald, J.
1982. Insect repellents from vetiver oil : 1.
Zizanal and Epizizanal. Tetrahedron. Lett.,
23(45) : 4639 - 4642.
- Su, Helen, C.F. 1984 a. Evaluation of black pepper as a
protectant of wheat in storage against rice
weevil (Sitophilus oryzae). J. Ga. Entomol. Soc.
19(1) : 45 - 48.

- Su, Helen, C.F. 1984 b. Biological activity of Zanthoxylum alatum Roxb. to 4 species of stored product insects. J. Ga. Entomol. Soc., 19(4) : 462- 469.
- Su, Helen, C.F. 1985. Laboratory study on effects of Anethum graveolens seeds on 4 species of stored product insects. J. Econ. Entomol., 78(2): 451 - 453.
- Su, Helen, C.F. 1986. Laboratory evaluation of the toxicity and repellency of coriander (Coriandrum sativum) seed to four species of stored product insects. J. Entomol. Sci., 21(3) : 169 - 174.
- Su, Helen, C.F. 1987^a. Laboratory evaluation of the toxicity and repellency of coriander, (Coriander sativum) seed to four species of stored product insects. J. Entomol. Sci., 21(2) : 169 - 174.
- Su, Helen, C.F. 1987^b. Laboratory study on the long term repellency of dillseed extract to confused flour beetle, J. Entomol. Sci., 22(1) : 70 - 72.
- Su, Helen, C.F. and Horvat, R. 1988. Investigation of the main components in insect active dillseed extracts. J. Agric. Food. Chem. 36(4) : 752 - 753.
- Sumimoto, M., Shiraga, M. and Kondo, T. 1975. Ethane in pine needles preventing the feeding of the beetle, Monochamus alternatus. J. Insect. Physiol., 21 : 713 - 722.

- Sutherland, O.R., Mann, J. and Hillier, J., R. 1975.
Feeding deterrents for the grass grub, Costelytra
zealandica in the root of a resistant pasture-
plant, Lotus pedunculatus. N.Z.J. Zool., 2 :
509 - 512.
- Swarup, P. and Srivastava, V.S. 1971. Observations on the
the damage of neem (Azadirachta indica A. Juss)
seed kernel in storage by various pest and
efficacy of the damaged kernel as an antifeedant
against the desert locust (Schistocerca gregaria
Forsk.). Indian J. Entomol. 22 : 228 - 231.
- Tan, M.T. and Sudderuddin, K.I. 1978. Effect of neem tree
(Azadirachta indica) extracts on diamondback moth
(Plutella xylostella L.). Malays. Appl. Biol.,
7 : 1 - 9.
- Taylor, T.A. and Agbaje, L.A. 1974. Flight activity in
normal and active forms of Callosobruchus
maculatus F. in store in Nigeria. J. Stored. Prod.
Res., 10 : 9 - 16.
- Tingle, F.C. and Mitchel, E.R. 1984. Aqueous extracts from
indigenous plants as oviposition deterrent for
Heliothis virescens. J. Chem. Ecol., 10(1) :
101 - 114.
- Tinhet, J.N., Bare, C.O., Childs, D.P. and Durham, W.F.
1957. Studies of DDVP for control of cigarette

beetle in tobacco warehouses U.S.D.A., AMS.,
214 : 1 - 16.

- Tinhet, J.N., Bare, C.O. and Childs, D.P. 1958. Further studies on the control of the cigarette beetle with DDVP. Tobacco Sci. 147(6) : 106 - 110.
- Tipping, P.W., Mikolajczak, K.L., Rodringuez, J.C., Zilkowski, B.W. and Legg, D.E. 1986. Attraction of Sitophilus oryzae L. and S. Zeamais M. (Coleoptera : Curculionidae) to extracts from two corn genotypes. J. Kans. Entomol. Soc. 59 : 190 - 194.
- Tipping, P.W., Mikolajczak, K.L., Rodringuez, J.G., Poneleit, C.G. and Legg, D.E. 1987. Effect of whole corn kernels and extracts on behaviour of maize weevil (Coleoptera : Curculionidae). J. Econ. Entomol., 80(5) : 1010 - 1013.
- Tirumala, Rao, V. and Nagaraja Rao, K.R. 1955. A note on the control of Lasioderma serricorne F. —a pest of stored dry ginger. Indian J. Entomol. 16 : 416 - 418.
- Touchstone, J.E. and Dobbine, M.F. 1978. Practice of thin layer chromatography. John Wiley and Sons. Inc. New York, pp. 1 - 345.
- Verma, G.S. and Pandey, U.K. 1987. Insect antifeedant property of some indigenous plant products. Z. Anzew. Zool., 74(1) : 113 - 116.

- Vigneron, J.P. 1978. Substances antiappetentes d'origine naturelle. Ann. Zool. Ecol. Anim., 10 : 663 - 694.
- Vigneron, J.P. 1979. Antifeedant substances of natural origin. Ann. Zool. Ecol. Anim. 10 : 663 - 693.
- Villani, M. G. and Gould, F. 1985^a. Screening of crude plant extracts as feeding deterrents of wire worm, Melanotus communis Gyll. Entomol. Exp. Appl., 37 : 69 - 75.
- Villani, M.G. and Gould, F. 1985^b. Butterfly milkweed (Asclepias tuberosa) extract as a feeding deterrents of the wireworm, Melanotus communis. Entomol. Exp. Appl., 37(1) : 95 - 100.
- Villani, M.G., Meinke, L.J. and Gould, F. 1985. Laboratory bioassay of crude extracts as antifeedants for the southern corn rootworm (Coleoptera : Chrysomelidae). Environ. Entomol., 14 : 617 - 619.
- Warthen, J.D. 1979. Azadirachta indica : a source of insect feeding inhibitors and growth regulators. U.S. Dept. Agric. Sci. Ed. Admin. Agric. Res. Results. Northeast Ser. No. 4 : p.21.
- Warthen, J.D. Jr., Redfern, R.E., Uebel, E.C. and Mills, G.D. Jr. 1978a. An antifeedant for all armyworm larvae from neem seeds. U.S. Dept. Agric. Res. Results. Northeastern Ser. No. 1. p.9.

Wigglesworth, V.B. 1944. Action of inert dust on insects.

Nature, London. 153 : 493 - 494.

Wood, D.L., Silverstein, R.M. and Nakajuma, M. 1970.

Control of insect behaviour by natural products.

Academic Press, New York, London. p 22.

Yadav, T.D. 1980. Toxicity of D.D.T. and Lindane against

13 species of stored product insects. Indian J.

Entomol., 42(4) : 671 - 674.

Yadav, T.D., Sing, S., Khanna, S.C. and Pawar, C.S. 1980.

Toxicity of organophosphorous insecticides

against stored product beetles. Indian J.

Entomol., 42 : 28 - 33.

Yao, Kang. and Yang, Chang--Ju. 1984. Using pheasant

pepper seed oil for controlling of the broad

bean weevil, Bruchus rufimanus. Acta. Entomol.

Sin., 27(3) : 144 - 145.

Yoshida, T. 1976. The effect of crowding on the rate of

reproduction in the squarenecked grain beetle,

C. quadricolis Guer. (Coleoptera : Silvanidae).

Sci. Rep. Fac. Agric. Okayama Univ., 47 : 1 - 5.

Zacher, F. 1935. Store pests in granary, in 1934, parti-

cularly C. granaria and A. gularis. R. A. E.

23 : 431.

Zaheer, K., Iqbal, H. and Rahman, L. 1987. Isolation and

characterization of termite repellents from the

needle of Pinus roxburgii. Int. Pest Control,

29(4) : 87 - 89.