

References Cited

- ABE, Y. and F. KAWAKAMI (1980) Studies on the fumigation of vegetable insect pests and fresh fruit and vegetables. Res. Bull. Pl. Prot. Japan 16: 11-25 (in Japanese).
- ANTHON, E.W., H.R. MOFFITT, H.M. COUEY and L.O. SMITH (1975) Control of codling moth in harvest sweet cherries with methyl bromide and effects upon quality and taste of treated fruit. J. Econ. Entomol. 68: 524-526.
- ANTHON, E.W., H.R. MOFFITT and L.O. SMITH (1977) Codling moth: Dosage response of larvae in cherries to methyl bromide fumigation. J. Econ. Entomol. 70: 381-382.
- Aomori Apple Experiment Station, Entomology Section (1986) Report on insect damage and flower-visiting insect (in Japanese).
- Aomori Apple Experiment Station, Entomology Section (1987) Report on insect damage and flower-visiting insect (in Japanese).
- BAUST, J.G. and L.K. MILLER (1972) Influence of low temperature acclimation on cold hardiness in the beetle, *Pterostichus brevicornis*. J. Insect Physiol. 18: 1935-1947.
- BOND, E.J. (1956) The effect of methyl bromide on the respiration of cadelle, *Tenebroides mauritanicus* (L.) (Coleoptera: Oostomidae). Can. J. zool. 34(5): 405-415.
- BOND, E.J. (1984) Manual of fumigation for insect control. FAO Plant Prod. Prot. Paper 54. 432 p.
- BOND, E.J. and H.A.U. MONRO (1961) The toxicity of various fumigants to the cadelle, *Tenebroides mauritanicus*. J. Econ. Entomol. 54: 451-454.
- California Department of Food and Agriculture (1983) Phytosanitary advisory fumigation with methyl bromide of fresh fruits (apricots, nectarines, peaches, or plums) for the presence of oriental fruit moth. Food Export Man. 353-A-Canada.
- CANNON, R.J.C. (1987) Effects of low-temperature acclimation on the survival and cold tolerance of an antarctic mite. J. Insect Physiol. 33: 509-521.
- CHIBA, T. and M. KOBAYASHI (1985) Seasonal prevalence of the peach fruit moth, *Carposina nipponensis* WALSHINGHAM, in the apple orchards in Iwate Prefecture. Bull. Iwate Hort. Exp. Stn. 6: 1-14 (in Japanese).
- CLAYPOOL, L.L. and H.M. VINES (1956) Commodity tolerance studies of deciduous fruits to moist heat and fumigants. Hilgardia. 24(12): 297-355.
- DRAKE, S.R., H.R. MOFFITT, J.K. FELLMAN and C.R. SELL (1988) Apple quality as influenced by fumigation with methyl bromide. J. Food Sci. 53(6): 1710-1712.
- DRAKE, S.R., H.R. MOFFITT and J.P. MATTHEIS (1990) Methyl bromide time and temperature of exposure on apple quality. J. Food Process Preserve 14(2): 85-92.
- DUSTON, G.G. (1963) The effect of standard cold storage and controlled atmosphere storage on survival of larvae of oriental fruit moth, *Grapholita molesta*. J. Econ. Entomol. 56: 167-169.
- Environmental Protection Agency, USA (1989) Code of federal regulations. 40 cer ch. 1, p. 281.
- FINNY, D.J. (1971) Probit analysis. Third ed. London and New York : Cambridge University Press, 333 p.
- FUKUDA, H. (1985) Physiological diseases of fruit: apple. In: *Fruit maturation and storage*. (Y. IBA, H. FUKUDA, N. KAKIUCHI and C. ARAKI eds.), Tokyo : Yokendo, pp. 98-115 (in Japanese).
- GALLETTI, G.L. and S.H. BEMGER (1987) Effects of methyl bromide on apples intended for export. Simiente 57(4): 201-206.
- GAUNCE, A.P., H.F. MADSON, R.D. McMULLEN and J.W. HALL (1980) Dosage response of codling moth stages to fumigation with methyl bromide. Can. Ent. 112: 1033-1038.
- GAUNCE, A.P. and R.D. McMULLEN (1981) Fumigation with methyl bromide to kill larvae and eggs of the codling moth in Lambert cherries. J. Econ. Entomol. 74: 154-157.
- GEIER, P.W. (1963) Wintering and spring emergence of codling moth, *Cydia pomonella* (L.) (Lepidoptera: Tortriidae) in south-eastern Australia. Aust. J. Zool. 11(4): 431-435.
- GILMOUR, D. (1965) The metabolism of insects. San Francisco : W.H. Freeman & Co., 195 p.
- GNANASUNDERAM, C. and C.M. TRIGGS (1983) Analysis of bromide residues in fumigated fruit using a bromide ion-selective electrode. DSIR Entomol. Div. Report No. 4. pp. 1-30.
- GOTHO, T. and N. SHINKAJI (1981) Critical photoperiod and geographical variation of diapause

- induction in the two-spotted spider mite, *Tetranychus urticae* KOCH (Acarina : Tetranychidae) in Japan. Jpn. J. appl. Ent. Zool. 25 : 113-118 (in Japanese).
- HANSEN, L.D. and R.F. HARWOOD (1968) Comparisons of diapause and nondiapause larvae, *Carposina pomonella*. Ann. Entomol. Soc. Amer. 61 : 1611-1617.
- HONDA, H., J. KANEKO, Y. KONNO and Y. MASTUMOTO (1979) A simple Method for Mass-Rearing of the Yellow peach moth, *Dichocrocis punctiferalis* GUENÉE (Lepidoptera : Pyralidae), on an Artificial Diet. Appl. Ent. Zool. 14(4) : 464-468.
- JOHNSON, A.C., E.M. LIVINGSTONE and J.W. BULGER (1942) Methyl bromide fumigation to control oriental fruit moth on dormant nursery stock. J. Econ. Entomol. 35 : 647-677.
- KADOI, M. and M. KANEDA (1990) Development of yellow peach moth, *Conogethes punctiferalis* (GUENÉE) on apple fruit. Res. Bull. Pl. Prot. Japan 26 : 61-63 (in Japanese).
- KAWASHIMA, K. (1987) Rearing of the Peach Fruit Moth, *Carposina nipponensis* WALSINGHAM (Lepidoptera : Carposinidae) on Artificial Diet. Jpn. J. Appl. Ent. Zool. 31 : 257-260 (in Japanese).
- KING, J.R., C.A. BENSCHOTER and A.K. BURDITT, JR. (1981) Residues of methyl bromide in fumigated grapefruit determined by a rapid, headspace assay. J. Agric. Food Chem. 29 : 1003-1005.
- KITAMURA, T. (1986) Mites. In: *Diseases and Invertebrate Pests of Fruit Trees*. (A. YAMAGUCHI and A. OTAKE eds.), Tokyo : Zenkoku Noson Kyoiku Kyokai, pp. 241-243 (in Japanese).
- KUDO, T. (1984) Harvest and Storage. In: *Apple cultivation*. (C. TSUGAWA ed.), Tokyo : Yokendo, pp. 201-239 (in Japanese).
- KUDO, T. (1985) Fruit storage: apple. In: *Fruit maturation and storage*. (Y. IBA, H. FUKUDA, N. KAKIUCHI and C. ARAKI eds.), Tokyo : Yokendo, pp. 98-115 (in Japanese).
- LEES, A.D. (1955) The physiology of diapause in arthropods. Cambridge : Cambridge Univ. Press, 151 p.
- MACKIE, D.B. and W.B. CARTER (1939) Supplementary control of codling moth. Calif. Dept. Agric. Bull. 28 : 378-386.
- MACPHEE, A.W. (1961) Mortality of winter eggs of the European red mite, *Panonychus ulmi* (Koch), at low temperatures, and its ecological significance. Can. Zool. 39 : 229-243.
- MEHERIUK, M., A.P. GAUNCE and V.A. DYCK (1990) Response of apple cultivars to fumigation with methyl bromide. Hort. Science 25(5) : 538-540.
- MOFFITT, H.R. (1971) Methyl bromide fumigation combined with storage for control of codling moth in apples. J. Econ. Entomol. 64 : 1258-1260.
- MOFFITT, H.R. and D.J. ALBANO (1972) Effects of commercial fruit storage on stages of the codling moth. J. Econ. Entomol. 65 : 770-773.
- MOFFITT, H.R. and A.K. BURDIT (1989) Effects of low temperature on three embryonic stages of the codling moth (Lepidoptera : Tortricidae). J. Econ. Entomol. 82 : 1379-1381.
- MONRO, H.A.U. (1969a) Manual of fumigation for insect control. FAO Agri. Stud. 79. 381 p.
- MONRO, H.A.U. (1969b) Manual of fumigation for insect control. FAO Agri. Stud. pp. 18-19.
- MORGAN, C.V.G., A.P. GAUNCE and C. JONG (1974) Control of codling moth larvae in harvested apples by methyl bromide fumigation and cold storage. Can. Ent. 106 : 917-920.
- MORI, T., N. KAWAMOTO and T. ODA (1963) Studies on the fumigation injuries of fruits and vegetables. Res. Bull. Pl. Prot. Japan 2 : 51-64 (in Japanese).
- NARITA, H. (1986a) Peach fruit moth. In: *Diseases and Invertebrate Pests of Fruit Trees*. (A. YAMAGUCHI and A. OTAKE eds.). Tokyo : Zenkoku Noson kyoiku Kyokai, pp. 226-228 (in Japanese).
- NARITA, H. (1986b) Studies on the Ecology and Control of Peach fruit Moth, *Carposina nipponensis* WALSINGHAM. Akita Fruit-tree Experiment Station Bull. 17 : 31-128 (in Japanese).
- NELSON, H.D. and P.L. HARTSELL (1983) Studies with methyl bromide fumigation as a quarantine treatment for codling moth in inshell dried walnuts for export. In: *Walnut Marketing Board*. Sacramento, Calif. pp. 75-89.
- NEWCOMER, E.J. and W.D. WHITECOME (1924) Life history of the codling moth in the Yakima Valley of Washington. USDA Bull. 1235 : 71-72.
- NEWCOMER, E.J. (1930) Experiment in killing eggs of the codling moth on harvested fruit. J. Econ. Entomol. 23 : 798-802.
- NEWCOMER, E.J. (1936) Effect of cold storage on eggs and young larvae of codling moth. Ibid. 29 :

- 1123- 1125.
- O'LOUGHLIN, J.B. and J.E. IRESON (1977) Phytotoxicity of methyl bromide fumigation to a range of apple cultivars. *Aust.J. Exp. Agri. Anim. Husb.* 17: 853-857.
- Orion Research Incorporated (1982) *Handbook of Electrode Technology*. Cambridge, MA. USA.
- PHILLIPS, W.R. and H.A.U. MONRO (1939) Methyl bromide injury to apples. *J.Econ. Entomol.* 32: 334.
- PUTMAN, W.L. (1963) The codling moth, *Carpocapsa pomonella* (L.) (Lepidoptera : Tortricidae) : a review with special reference to Ontario. *Proc. Entomol. Soc. Ont.* 93: 22-60.
- RIPPON, L.E., G. SINGH, A.N. SPROUL and W.S. GILBERT (1982) Methyl bromide fumigation and cold storage for disinfestation of Granny Smith apples against Queensland and Mediterranean fruit flies. *Aust. J. Exp. Agric. Anim. Husb.* 22: 116-123.
- SEKIGUCHI, K. (1986) Yellow peach moth. In: *Diseases and Invertebrate Pests of Fruit Trees*. (A. YAMAGUCHI and A. OTAKE eds.), Tokyo : Zenkoku Noson kyoiku kyokai, pp. 536-538 (in Japanese).
- SELL, C.R., M.A. WEISS, H.R. MOFFITT and A.K. BURDITT, JR. (1985) An automated technique for monitoring respired carbon dioxide. *Physiol. Entomol.* 10: 317-322.
- SMITH, L.B. (1970) Effects of cold-acclimation on supercooling and survival of the rusty grain, *Cryptolestes ferrugineus* (STEPHNS) (Coleoptera : Cucujidae) at subzero temperatures. *Can. J. Zool.* 48: 853-858.
- STOUT, O.O. (1983) International plant quarantine treatment manual. FAO Plant Prod. Prot. paper 50. 220 p.
- Statistics and Information Department, MAFF (1990) The 66th Statistical Yearbook of Ministry of Agriculture, Forestry and Fisheries Japan 1989-'90. : 45-49.
- SUGAWARA, H. and M. WAKO (1967) Comparative susceptibility of two species of spider mite, *Panonychus ulmi* (KOCH) and *Tetranychus urticae* KOCH to several Acaridae. *Bull. Hort. Res. sta. Jpn. Ser. C5*: 105-116 (in Japanese).
- SUN, Y.P. (1947) An analysis of some important factors affecting the results of fumigation tests on insects. *Univ. Minn. Agric. Exp. Tech.* p. 177.
- TAKAFUJI A., W. ASHIHARA and N. MORIMOTO (1981) Current topics on the diapause of Tetranychid mites. *Plant Protection.* 35: 489-495 (in Japanese).
- TAMAKI, Y. (1966) Rearing of *Adoxophyes orana* FISCHER von ROSLERSTAMM and *Homona magnanima* DIAKONOFF on simplified artificial food. *Appl. Ent. zool.* 10(1): 46-48 (in Japanese).
- TEBBETS, J.S., C.E. CURTIS and R.D. FRIES (1978) Mortality of immature stages of the Navel Orangeworm stored at 3.5°C. *J. Econ. Entomol.* 71: 875-876.
- TEBBETS, J.S., P.V. HARTSELL and H.D. NELSON (1986) Dose/response of codling moth (Lepidoptera : Tortricidae) eggs and nondiapausing and diapausing larvae to fumigation with methyl bromide. *J. Econ. Entomol.* 79: 1039-1043.
- TSUGAWA, C. (1984) Leafrollers. In: *Diseases and Invertebrate Pests of Fruit Trees*. (A. YAMAGUCHI and A. OTAKE eds.), Tokyo : Zenkoku Noson kyoiku kyokai, pp. 230-233 (in Japanese).
- USDA (1985) Plant protection and quarantine treatment manual. Section VI. Animal and Plant Health Inspection Service, Hyattsville, Md.
- WADDELL, B.C., D.B. BIRTGES and P.R. DENTENER (1989) Methyl bromide fumigation for the control of codling moth (Lepidoptera : Tortricidae) on different cherry and nectarine cultivars: a cultivar comparison test. *Managing Postharvest Horticulture in Australia New Agriculture & Fisheries*, pp. 157-165.
- WAKO, M. (1986) Photoperiodic induction of adult diapause in the hawthorn spider mite, *Tetranychus viennensis* ZACHER, infesting the apple in Tohoku district. *Bull. Fruit Tree Res. Stn. C13*: 75-84 (in Japanese).
- YAMAYA, K. and Y. TAMAKI (1972) Rearing mass production of leafrollers. *Plant Protection* 26(4): 31-34 (in Japanese).
- YOKOYAMA, V.Y., G.T. MILLER and P.L. HARTSELL (1987a) Methyl bromide fumigation for quarantine control of codling moth (Lepidoptera : Tortricidae) on nectarines. *J. Econ. Entomol.* 80: 840-842.

- YOKOYAMA, V.Y., G.T. MILLER and P.L. HARTSELL (1987b) Methyl bromide fumigation to control the oriental fruit moth (Lepidoptera : Tortricidae) in nectarines. *J. Econ. Entomol.* 80 : 1226-1228.
- YOKOYAMA, V.Y., G.T. MILLER and P.L. HARTSELL (1988) Rearing, large-scale tests, and egg response to confirm efficacy of a methyl bromide quarantine treatment for codling moth (Lepidoptera : Tortricidae) on exported nectarines. *J. Econ. Entmol.* 81 : 1437-1442.
- YOKOYAMA, V.Y. and G.T. MILLER (1989) Response of codling moth and oriental fruit moth (Lepidoptera : Tortricidae) to low temperature storage for storn fruits. *J. Econ. Entomol.* 82 : 1152-1156.
- YOKOYAMA, V.Y., G.T. MILLER and P.L. HARTSELL (1990a) Evaluation of a methyl bromide quarantine treatment to control codling moth (Lepidoptera : Tortricidae) on nectarine cultivars proposed for export to Japan. *J. Econ. Entmol.* 83 : 466-471.
- YOKOYAMA, V.Y., G.T. MILLER and P.L. HARTSELL (1990b) A methyl bromide quarantine treatment to control codling moth (Lepidoptera : Tortricidae) on nectarines packed in shipping containers for export to Japan and effect on fruit attributes. *J. Econ. Entmol.* 83 : 2335-2339.
- YOSHIZAWA, O. (1990) Quarantine problems relating to export fruits. *Plant Protection.* 44 : 326-330 (in Japanese).