

## ***REFERENCES***

**6- REFERENCES**

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- Abdelghany, M.M. and Huzzain, A.S. (1989):** A generalized overlapping model for atomizers spray patterns. *Misr. J. of Ag. Eng.*, 6 (1): 3-12.
- Awady, M.N. and Afif, F.A. (1968):** Spray-deposits distributions on cotton trees from different nozzle locations and combinations. *Fac. Ag., Ain Shams Univ. Egypt. Ann. Ag. Sci.*, 13 (2): 19-20.
- Awady, M.N. (1974a):** Wheat harvesting machines and the effect of their utilizing upon service economics in the local circumstances in the S. Arabian Kingdom, Technical pub. No. 53, Dept. of Res. and Dev., S. Arabian Min. of Agr. and Water. "In Arabic".
- Awady, M.N. and Afifi, F.A. (1974):** Spray-residues examination for equipment used in control of cotton pests. *J. Ag. Res., Col. Ag. Reyadh Univ. Saudia Arabia* 2 (1): 73-89.
- Awady, M.N. (1976):** Distribution of spray deposits on cotton trees, as related to pertinent parameters. *Annal. Ag. Sc., Fac. Ag. Ain Shams Univ. Shobra El-Kheima, Misr (Egypt)*, 19(2): 23-32.
- Awady, M.N. (1978a):** Engineering of tractors and agricultural materials, txtbk. *Col. Ag. Ain Shams Univ.* 164-167. (In Arabic).
-

**Awady, M.N. (1978b):** Spraying and distribution of field materials, Txtbk., Col. Ag. Ain Shams Univ. : (In Arabic).

**Awady, M.N. (1988):** Systems approach to agricultural mechanization problems. Misr, Jour. Ag. Eng. (5) 3: 1-5 (In Arabic).

**Bainer, R.; Kepner, R.A. and Barger, L.E. (1955):** Principles of farm machinery. John Wiley and sons, Inc. NY. 298-342).

**Bainer, R.; Kepner, R.A. and Barger, L.E. (1963):** Principles of farm machinery, crop-planting, John Wiley and sons. : 201.

**Bassily, G. (1960):** Machines of Agriculture. Fac. of Ag. Cairo Univ. Egypt. Textbk. (In Arabic).

**Basin, H.S. and Davini, R.S. (1987):** Comparative evaluation of ultra low volume (ULV) and high volume (HV) sprayers for weed control in soybean. Proceeding of the 23rd. annual convention of the Indian Soci. of Ag. Eng. :9-11 March ref. 2: 86-91 New Delhi India.

**Boving, P.A. and Winterfed, R.G. (1980):** Testing selected nozzles for deposit efficiency in aerial application of spray. Trans. of ASAE., 23(1): 36-38, 42.

**Burt, E.C.; Smit, D.B. and Lioyed, E.P. (1966):** A rotary disc device, for ultra-low volume (undiluted) pesticides with ground equipment. J. Econ. Ent. 59: 1487-1489.

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- Burt, E.C.; Smit, D.B. and Lioyed, E.P. (1968): Comparison of the quantity of deposit and bollweevil control with three ULV droplet sizes, a standard U.L.C. application, and a conventional E.C. application. ASAE. St. Joseph. Mich. 69, 630-632.
- Carpenter, T.G.; Reichar, D.L.; Ozkan, H.E.; Holmes, R.G. and Thornton, E. (1988): Computerized weighing system for analysis of nozzle spray distribution. Trans. of ASAE. 31 (2): 375-379.
- Chiba, M.; Fisher, R.W.; Northover, J.; Herne, D.C. and Neft, A. (1973): Evaluation of three types of vineyard sprayers by measurement of carbaryl deposit dye distribution and control of powdery mildew and two spotted mite. Canadian J. of Plant Sci. 53 (1): 189-197 (15 ref).
- Culpin Claude (1975): Farm machinery. Crosby lockwood staples London P. 146-156.
- Diab, H.I. (1981): Design and construction of a boom type sprayer powered by locally manufactured small size tractor. M. Sc. Thes. Alexa. Univ. Egypt : 124-126.
- El-Nono, M.A.M. (1980): Study on the mechanism of spraying and application of agricultural field-materials. M.Sc. Thes. Ain Shams Univ. Egypt.
-

- Furness, G.O. and Pinczewski (1985):** A comparison of the spray distribution obtained from sprayers with converging and diverging air-jets with LV air assisted spraying on citrus and grapevines. J. of Agric. Eng. Res. 32 (4): 291-310. (10 ref).
- Hall, M.J (1970):** Use of the stain method in determining the drop-size distributions of coarse liquid sprays. ASAE. 13, 33.
- Himel, C.M. (1969):** The fluorescent particle spray. Droplet traces method. J. Econ. Ent. 62: 912-915.
- Huntington, K.A. and Johnstone, D.R. (1973):** Cost comparison of methods of hand spraying of cotton in Malawi. Miscellaneous Reports, Center for Overseas Pest Research No. 15: 10.
- Isier, D.A. (1966):** Atomization of low-volume malathion aerial spray. J. Econ. Ent. 59: 688-690.
- Johnstone, D.R. (1973):** Insecticides concentration for ultra-low-volume crop spray application. Pest. Sci. 4: 77-82.
- Kilgore, W.W. and Yates, W.E. (1964):** Evaluation of concentration and dilute ground Air-carrier and air-craft spray coverages. Hilgardia Vol. 35 No. 19, Univ. Calif., U.S.A.
- Leeper, R. (1967):** The response of cotton pest to deposits of various droplet sizes. of low-volume insecticide concentrates. M.Sc. Thes. Mississippi state Univ. college 57 P.
-

- Madkour, A. (1965):** Field studies on some sprayers. Reprinted from the Ag. Res. Rev. Vol. 43, No. 4.
- Maithia, A.S.K. (1978):** A comparison of some fungicide application equipment on coffee in Kenya. Kenya Coffee Res. 52 (607): 81-88 (5 ref).
- McConnell, K.L. and Colvin, T.S. (1984):** Economic comparison of several sprayer systems. ASAE. 84-1519. 12 P.
- McKibben et al. (1943):** Duty of field machines, Agricultural Engineering. Vol. 23, No. (11) P. 357-359, 366.
- McKinlay, K.S.; Shaford, R.A. and Ford, R.J. (1974):** Effects of drop size, spray volume, and dosage on paraquate toxicity. Weed Sci., Vol. 22 Issue 1 January. 16-19.
- McNee, P. (1972):** Leaf coverage performance of tobacco spray machinery in North Queensland, Queensland D. of Ag. and animal Sci. 29(1) : 9-15 (16 ref).
- Natalicchio, E. (1985):** Comparison relating to organization economics and energy, between treatment from helicopters and treatment from ground level for grapevines in oltrepo parse. Univ. Di Milano Italy. Agrorio col 3: 18, 67-71.
-

- Polles, S.C. and Vison, S.B. (1969): Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC Malathion to Tobacco budworm larvae. J. of Econ. Ent. 62 (1): 89-94.
- Richey, C.B. Jacobsan, P. and Hall, C.W. (1961): Agricultural engineers, Handbk.: Mc Grow-Hill N.Y., P. 18-19.
- Smith, D.B. Burt, E.C. and Benci, F.J. (1970): Design of a spinning disc droplet separator and the determination of the size and density of droplets deposited on cotton foliage. Trans. of ASAE., 13(3): 664-668.
- Smith, D.B. Burt, E.C. and Benci, F.J. (1975): Selection of optimum spray droplet size for boll weevil and drift control. Ibid, 68: 415-417.
- Smith, D.B. and Burt, E.C. (1970): Effects of the size of ULV droplets on deposits within cotton foliage both inside and immediately downwind from a treated swath. J. Econ. Ento. 63.
- Smith, H.P. and Wilkes, H.L. (1977): Farm machinery and equipment. 6th. ed. TATA Mc Graw Hill, : 243-268,
- Stone, A.A. and Gulvin, H.E. (1977): Machines for power farming. 3rd Ed., John Willey and sons, 328-350. London.
- Tandon, S.K. Shukla, L.N. Singh, M.P. Sodhi, K.S. and Butter, N.S. (1986): Comparative study of spraying effectiveness of tractor drawn sprayer and knapsack sprayer for cotton crops. J. of Research, Panjab Ag. Univ. 23: 3, 473-479.
-

Tate, R.W. and Jonssen, L.E. (1965): Droplet size data for Agricultural nozzles. Presented at the ASAE. Ann. Meeting.

Taylor, W.A. Merritt, C.R. and Drinkwater, J.A. (1976): An experimental, tractor-mounted, very low volume uniform drop-size sprayer. Weed Res. Org., Yarnton, Oxford UK. 16 (3): 203-208 (19 ref).

Threadgill, E.D. and Smith, D. E. (1975): Effect of physical and meteorological parameters on the drift of controlled size droplets. Trans, of ASAE 18 (1): 51-55.

Yuill, D.S. and Secrest, J.P. (1966): Test for selecting tracer dye aerial sprays. D. Econ. Ent. 59, 720-723.

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