

Appendix 4. Articles in Agricultural Research magazine by subject

Subject	Taxa	Year	Title	Volume (Issue)	Pages
Insect pests	Dermeestidae	1955	Fight against Khapra beetle	3 (1)	16
Insect pests	Dermeestidae	1956	A report on the Khapra beetle campaign	4 (9)	8-9
Insect pests	Dermeestidae	1959	Khapra beetle again	8 (1)	15-16
Insect pests	Dermeestidae	1963	Barring our doors against plant pests	12 (6)	8-9
Insect pests	Dermeestidae	1965	Guarding against sefaring Khapras	14 (2)	8-9
Insect pests	Dermeestidae	1967	Foreign scientists help US fight Khapra beetle	16 (4)	10-11
Insect pests	Dermeestidae	1975	Carpet beetle also likes wool-synthetic fibers	24 (1)	13
Insect pests	Dermeestidae	1978	Successful control of Khapra beetle	26 (10)	7
Insect pests	Tenebrionidae	1993	Maternal gene means life or death for flour beetle.	41 (1)	23
Insect pests	Tenebrionidae	2005	Beetle mania. for Indianmeal moths...birth control slows population	53 (11)	4-6
Insect pests	Pyralidae	1972	clock	20 (12)	11
Pest management		1954	100 years of professional entomology	2 (9)	3-5
Pest management		1957	Protecting stored peanut from insects	6 (3)	6
Pest management		1972	Curbing navel orangeworms	20 (9)	13
Pest management		1978	Sterile moths reduce insecticide	26 (10)	14-15
Pest management		1979	Protecting stored grain	27 (8)	13
Pest management		1985	New insect sex pheromone mimic	33 (7)	16
Pest management		1986	Tomato product repels grain weevil	34 (8)	5
Pest management		1987	Controlling lesser mealworm in coop	35 (6)	16
Pest management		1991	Computers guard the granary	39 (9)	16-17
Pest management		1993	Pest arrest in Manhattan, Kansas	41 (7)	7-9
Pest management		1994	ARS/industry R&D takes aim with bio-based pest solution	42 (1)	23
Pest management		1995	Beyond methyl bromide	43 (1)	14-18
Pest management		1995	Computer figures stored-grain insect risk	43 (6)	22
Pest management		1997	Computer model helps grain stay too cool for bugs	45 (6)	23
Pest management		1998	Model helps time stored pest fumigation	46 (7)	21
Pest management		2000	Elevating grain storage practices	48 (4)	18-19
Pest management		2001	Spreading good management practices among elevator managers	49 (11)	14
Pest management		2002	Fighting insect pests of stored food	50 (1)	16-17
Pest management		2003	Scientists try to stop cereal killer	51 (5)	20-21

Pest management	2005	From granaries to insecticides: NIR technology helps	53 (3)	8-9
Aeration	1953	Small fam may save stored grain	1 (7)	12-13
Aeration	1973	Aerating corn for short-term storage	22 (1)	3-5
Biological control	1968	Microbial insecticides	16 (9)	8-9
Biological control	1973	Turning the tide on insect pests	21 (7)	13
Biological control	1973	Beetle shuns WURLD wheat	21 (12)	15-16
Biological control	1975	Finding weevil-resistant wheats	23 (10)	10
Biological control	1976	The Arkansas strain	24 (8)	5
Biological control	1967	Quest for microbial alternatives	24 (11)	6-7
Biological control	1968	Microbial insecticides	16 (9)	8-9
Biological control	1973	Turning the tide on insect pests	21 (7)	13
Biological control	1973	Beetle shuns WURLD wheat	21 (12)	15-16
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Biological control	1976	The Arkansas strain	24 (8)	5
Biological control	1967	Quest for microbial alternatives	24 (11)	6-7
Biological control	1978	Beetle pests in stored food	27 (7)	3-5
Biological control	1980	BT controls grain insects	28 (9)	4-6
Biological control	1980	Waging war on peanut pest	29 (3)	12
Biological control	1986	Stored grain spray - less water	34 (1)	5-6
Biological control	1988	New virus mix kills insects in raisins	36 (10)	13
Biological control	1990	Wasp takes wiff and grain pest is history	38 (1)	22
Biological control	1991	Replacing fumigants with beneficial insects	39 (2)	14-16
Biological control	1995	Good pirate	43 (3)	19
Biological control	2006	"Sting operation" to protect groceries	54 (5)	23
Detection	1966	Beetles shy from light, are trapped	14 (10)	15
Detection	1968	Much wheat damage preharvest	17 (2)	11
Detection	1971	Magnets detect insects	20 (5)	7
Detection	1985	New system hears insects chewing	33 (4)	13-15
Detection	1987	What's the chewing	35 (1)	16
Detection	1993	Acoustic sensors detect insect deep inside grain bin	41 (7)	6-7
Detection	1996	Listening to insects	44 (9)	7
Detection	1998	NIR detects, destroys insect pests	46 (5)	14
Detection	2001	Listening to larvae	49 (3)	21
Fumigation	1953	Quick test for fumigants	1 (7)	13
Fumigation	1966	Gases kill storage insects	15 (2)	7
Fumigation	1969	Fumigating crated cereal products	17 (8)	16
Fumigation	1970	CO2 vs Insects	19 (3)	10-11

Fumigation	1973	Inert atmosphere vs. stored grain pests	22 (1)	12
Fumigation	1983	Fumigating empty metal bins	32 (2)	14
Fumigation	1987	Insect control at sea	35 (1)	6-10
Insecticides	1953	Early dust stops stored-wheat insects	1 (11)	11
Insecticides	1966	Upsetting insect metamorphosis	14 (9)	8-9
Insecticides	1967	Treated trays protect raisins	16 (3)	13
Insecticides	1969	Insecticide vapor more effective than sprays for stored food	17 (7)	7
Insecticides	1970	Indian-meal moth sstripped out of stored grain	18 (12)	5
Insecticides	1971	Mothproofing ... the search for safer pesticides	20 (3)	6-7
Insecticides	1972	Feeding insects the peel	21 (2)	15
Insecticides	1973	Juvenile hormone makes monster insects	21 (11)	3-4
Insecticides	1974	Summer protection for woolens	23 (3)	11
Insecticides	1976	Mothproofing woolens	24 (7)	16
Insecticides	1985	New stored grain protectant - Fenoxycarb	33 (9)	4
Insecticides	2000	Natural product helps insects "bite the dust"	48 (6)	23
Insecticides	2000	Avidin	48 (8)	8-9
Insecticide resistance	1985	Gene find may overcome resistance	33 (3)	4
Packaging	1975	Insect-free dried fruit	23 (8)	20
Packaging	1998	Pest-proofing food packaging	46 (3)	10-11
Physical control	1968	Light can re-set insect's biological clock	16 (10)	8-9
Physical control	1972	Drier air deadly to insects	20 (12)	15
Physical control	1975	Improving on the pharaohs	23 (7)	13
Physical control	1976	In stored grain: no oxygen - no insects	25 (2)	3-5
Physical control	1979	Lowering oxygen level to control insects	28 (1)	16
Radiation	1967	New grain irradiator	15 (12)	11
Radiation	1971	Radiation vs grain insects	20 (2)	16
Radiation	1973	Sterilizing insects saves the grain	21 (10)	3-5
Radiation	1975	A potent weapon against stored grain insects	24 (4)	5
Radiation	2003	Zapping sweetpotato weevils	51 (4)	22
Sampling	1980	Almond moth recapture rates monitored	29 (3)	13
Temperature	1953	Electronic destroyer of stored-grain insects	2 (4)	10-11
Temperature	1959	Radio waves that kill	8 (2)	15
Temperature	1965	Tuning in on insects	14 (5)	14
Temperature	1967	RF injures yellow mealworm	16 (1)	16
Temperature	1971	Which temperatures kill wax moths?	19 (8)	14
Temperature	1973	Insect control with microwaves	22 (1)	14

Temperature	1996	Microwave zap grain pests	44 (5)	21
Trapping	1968	Clues to rice weevil attractant	17 (4)	15-16
Trapping	1982	Rice weevil lure found	30 (7)	5
Trapping	1983	Weevil attraction unites insects	32 (4)	10-11
Trapping	1984	Pheromones - decoding insect chemical communication	32 (13)	8-12
Trapping	1984	Controlling stored grain pests without pesticides	32 (13)	16
Trapping	1985	Pheromones for grain weevil	33 (10)	16
Trapping	1987	Sweetpotato weevil pheromone	35 (4)	16
Trapping	1996	ARS taps grain bugs' supertime	44 (1)	23
Trapping	1998	EGPIC: An automated insect census-taker	46 (9)	20-21
Trapping	1999	Microbes produce sap beetle attractants	47 (4)	20-21
Trapping	2003	Monitoring system counts insects, identifies species	51 (7)	12-13
