

**Experimental Record  
Published 1963 – 1972**

**Agricultural Record  
Published 1974 - 1986**

Experimental Record and Agricultural Record were regular publications in which researchers could publish externally refereed research papers. Agricultural Record commenced in 1963, was replaced by Experimental Record in 1974, and continued until 1986.

These papers needed to be of relevance to South Australian agricultural industries, and report experiments, observations and surveys associated with biological, economic and sociological relevance.

Experimental Record and Agricultural Record were assembled by an Editor (located in Extension Branch) with support from an Editorial Committee comprising senior branch staff.

Agricultural Record was discontinued as research staff were encouraged to publish refereed papers in a wide range of national and international research journals and the newly established Technical Paper and Technical Report Series.

<b>Number</b>	<b>Experimental Record Papers</b>	<b>Year</b>	<b>Author/s</b>
No 1	Preliminary Experiments on the Reclamation of a Saline-Sodic Soil in the Jervois Area	May 1963	J.S. Russell M.I.H. Brooker
	A Survey of Post-Shearing Losses due to Adverse Weather Conditions		P.E. Geytenbeek
	Potato Irrigation Trials During 1959-60 Season		M.R. Till
	Progress Report—Vine Trellising Trials		W.B. Harris
	An Extension Application of Parametric Budgeting in Poultry Management Decisions		A.A. Mc Ardle C.C. Catt
No 2	Analysis of calcareous coastal sands in the Lower South-East of South Australia in relation to their possible value as liming materials	May 1965	J.S. Russell N.J. Gilbertson
	A key to the seedlings of the <i>Cynarae</i> commonly found in South Australia		J.F.M. Burford
	The relationship between time of pruning and <i>Eutypa armeniaca</i> infection in apricots		W.J. Moller
	A comparison of the variability of water distribution from four fixed overhead sprinkler types		M.R. Till
	A comparison of the packout of oranges obtained in the Standard Bushel Case and the Dump Bushel Case		M.B. Spurling L.D. Jarrett
	The root distribution of young citrus trees		M.R. Till J.B. Cox
	Progress Report: Cereal and other crop trials, Kangaroo Island Research Centre		H.R. Day
No 3	Pesticide residue trials—No. 1.	May 1969	J.T. Fearn
	Influence of nitrogen fertilizer on skin thickness of Washington navel orange fruit		M.R. Till J.R. Botham V.K. Lohmeyer
	A citrus leaf analysis survey in South Australia		J.R. Botham K.J. Gillespie
	Uniformity of water distribution from undertree sprinklers		A.C. Chappell
	A rate of rainfall recorder		J.A. Edwards

	A simplified pycnometer for measuring air-filled porosity of soil		J.S. Potter
	An irrigation and spacing trial on tomatoes		M.R. Till
No 4	A reference group and an analysis of its farming operations 1. Identification of the group a pragmatic method	1970	A.E. Engel
	A reference group and an analysis of its farming operations II. Farm practices and related attitudes		G.J. Young P.J. Mowatt P.A. Heap
	A reference group and an analysis of its farming operations III. Disparity between extension goals and the goals of farmers		G.J. Young
	An addendum note on the disparity between extension goals and the goals of farmers		A.E. Engel
No 5	Identification of species of fruit-fly	1970	H.F. Lower
	Spur-type apples		R. Howles
	Control of ring spot in Brussels sprouts		I.S. Rogers T.J. Wicks
	Vine development and temperature in the Barossa, South Australia		E.W. Boehm
	Benomyl as a spring eradicant for apple scab		T.J. Wicks W.J. Moller
	Wheat response to individual nutrients in superphosphate		C.L. Rudd
	The reworking of Dunn's seedling apple trees		L.C. McMaster R.W.I. Cowley
	Salt accumulation in a sandy soil under sprinkler irrigation, its influence on apricot tree health and its removal by teaching		M.R. Till
No 6	Matric water potential and ground water levels on an irrigated pasture at Long Flat, South Australia	1972	P.J. Cole C.L. Watson
	Effect of artificial drainage on matric water potential and ground water levels at Long Flat, South Australia		P.J. Cole C.L. Watson
	Changes in some physical properties of red-brown earths of different texture associated with increasing content of organic matter		I.T. Grierson J.W. Mine D.J. Greenland
	The Italian white snail... <i>Thebapisana (Muller)</i> in South Australia, with particular reference to its distribution in the South-East of South Australia		Y.P. Lim R.B. Jenkins
	The effects on milk production and pasture yield of deferring the grazing of annual pastures by dairy cows		D.C. Brown D.M. McLean J.C. Radcliffe
	Pest management in an apple orchard		P.E. Madge
No 7	The effect of method of application of superphosphate on wheat yield	1972	C.L. Rudd
	The effects of exposure to prevailing strong winds on the growth of young citrus trees		M.M. Campbell
	Wind and its effects on citrus trees at Loxton, South Australia		M.M. Campbell G.A. Mills
	Efficiency of summer superior oils in relation to the concentration of the emulsifying agent		M.M. Campbell
	Observations on the effects of high density populations of spiders. Principally an <i>Lxeticus sp.</i> , on the control of <i>Aonidiella aurantii</i> Mask by <i>Aphytis me/inns</i> , DeBach		M.M. Campbell
	Counts of adults of <i>A. melinus</i> on citrus trees before and after spraying with an emulsion containing 1% of a pre-emulsified oil		M.M. Campbell

	in water		
<b>Agricultural Record</b>			
<b>Number</b>	<b>Agricultural Record Papers</b>	<b>Year</b>	<b>Author/s</b>
Vol 1 No 1	Peat subsidence following drainage of a South Australian fen	January 1974	D.W. Armstrong C.L. Watson
	Observations on wheat and pasture yield and soil structure under grass and N systems on a hard-setting soil		C.L. Rudd R.J. French I.T. Grierson
	Root development of wheat at the flowering stage under different cultural practices		J.E. Schultz
	A technique of involving farmers in planning extension programmes		J.P. Blencowe A.E. Engel J.S. Potter
	Notes Green budding of grapevines ( <i>Vitis vinifera</i> )		R.J. van Velsen J.M. Niejalke
Vol 2 No 2	Observations on the re-establishment of native shrubs in the Northern Marginal Lands of South Australia	January 1975	R.J. French J.S. Potter
	A survey of the plant-parasitic nematodes in Riverland peach orchards		G.R. Stirling
	The dying arm disorder of vines in South Australia		T.J. Wicks
	Observations on effects of stocking rate on the performance of Merino wethers grazing perennial pasture on a ground-water rendzina soil		W.A. Hawthorne
	The effects of Carophyll Golden and lucerne meal on the yolk colour of hens' eggs		R.J. Hughes
	The effect of refrigeration on the deterioration in internal quality of eggs during marketing		R.J. Hughes
	Notes Fertiliser transport down the slope of a flood irrigation bay		D.W. Armstrong
	Deep placement of fertiliser for lucerne ( <i>Medicago sativa</i> )		J.E. Schultz
Vol2 No 3	Selenium in soils and plants: a review in relation to selenium deficiency in South Australia	July 1975	D.J. Reuter
	Effect of wheat yield and grain phosphorus content of deep placement and foliar application of phosphate		J.E. Schultz
	Assessment of Trifolium species and other annual pasture legumes with particular reference to tolerance to <i>Kabatiella caulivora</i>		P.E. Beale E.J. Crawford
	A comparison of the chemical composition and nutritive value of Clipper with Noyep barley as pig feeds		C.H.S. Dolling A.D. Hughes P.A. Heap
	A technique for the determination of ovulation rate and reproductive wastage on an individual ewe or flock basis		I.N. Cutten
	The economic implications of selection for twinning in Merino sheep		J. Spriggs
Vol 3 No 4	Sulphur-coated urea compared with urea and ammonium nitrate as a source of nitrogen for swards of annual ryegrass ( <i>Lolium rigidum Gaud.</i> )	January 1976	D.J. Maschmedt P.S. Cocks
	The growth of some perennial grasses under irrigation on a rendzina soil in the Lower South-East of South Australia		W.A. Hawthorne P.S. Cocks
	Laying performance of hens fed different cultivars of barley		P.F. Mannion R.J. Hughes

	The composition and nutritive value of egg-meal as a supplementary protein for growing pigs		A.D. Hughes P.A. Heap R.J. Hughes
	A list of fungal plant diseases previously unrecorded in South Australia		P.R. Dry
	Susceptibility of some Australian native plants to root-knot nematode		G.R. Stirling
	A method of rooting Salt Creek and Dog Ridge grapevine cuttings		A.P. Chapman
	A green grafting technique for grafting vines on nematode resistant rootstocks		A.P. Chapman
	Occurrence of oestrus in Hereford, Charolais and Brahman crossbred heifers		M.P.B. Deland J. Jakes W.G. Giles
Vol 3 No 5	Comparison of extraction methods for the determination of available soil phosphorus	July 1976	C.L. Rudd R.J. French
	The distribution of applied phosphate and citrus feeder roots in two South Australian citrus orchards		J.B. Robinson
	The relationship between haemoglobin type and reproductive performance in sheep grazing oestrogenic and non-oestrogenic pastures		S.K. Walker
	Notes An observation of the residual effect of sulphate of ammonia on soil pH		M.T. Seeliger
	Changes in the quantity and quality of wheaten stubble during the summer months in western South Australia		G.M. Fromm
	Use of inbreeding coefficients to control inbreeding in a pig production unit		B.A. Stone P.A. Heap J.E. Stafford
Vol 4 No 6	Evaluation of superphosphate containing different proportions of water soluble and citrate soluble phosphorus as fertilizers in South Australia.	January 1977	D.C. Lewis A.L. Clarke C.L. Rudd
	Copper fertilizer for pasture and sheep production on lateritic podzolic soils in South Australia. Initial effects on virgin soil		E.D. Carter H.R. Day
	The control of tufted honey flower ( <i>MelianthuscomosusVahl</i> )		P.M. Kloot
	The nutritional status of cling peach orchards in the Murray irrigation areas of South Australia		P.R. Nicholas J.B. Robinson
	Between and within herd variation in conception rates in pig herds in the Lower North of South Australia		B.A. Stone
Notes The occurrence of steely wool in South Australia 1972-1975	R.J. Hannam D.J. Reuter		
Vol 4 No 7	Copper fertilizer for pasture and sheep production on lateritic podzolic soils in South Australia	July 1977	D.J. Reuter R.J. Hannam G.J. Judson M.E. Dodson
	Weather, ewe behaviour and lamb mortality		J.M. Obst J.V. Ellis
	Notes Changes in digestibility, crude protein and yield of maturing wheat, oat and barley cultivars		M.J. Cochrane J.C. Radcliffe
	Chemical control of annual weeds in lucerne in the Upper South East		P.M. Kloot K.R. Smith
	Distribution of San Jose scale, <i>Quadraspidiotus perniciosus</i> (Comst)., in the Adelaide Hills		G. Baker
Vol 5 No 8	The effect of soil fumigation and fowl manure on populations of <i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i> in glasshouse soil and	January 1978	T.J. Wicks D.Volle

	on the incidence of cucumber wilt.		B.T. Baker
	The water consumption of sheep and beef cattle on northern Eyre Peninsula		S.J. Wright B.L. Ashton
	Hectolitre weight as an indicator of crude protein and metabolizable energy of rust-affected Halberd wheat		R.J. Hughes
	Urea-molasses and grain supplements for yearling beef cattle grazing wheat and oat stubbles		M.H. Round R.J. Lampe S.J. Wright
	The effect of protein restriction during early and late rearing phase on the performance of a laying strain of poultry		R.W. Polkinghorne P.F. Mannion
Vol 5 No 9	Soil interpretation maps for planning land use in the Mount Lofty Ranges, South Australia Appendix I. United States Department of Agriculture criteria for soil interpretations. Appendix II. Predictability of interpreted soil limitation ratings.	July 1978	R.E.R. Hartley
Vol 6 No 10	Factors affecting aggregation of hard-setting red-brown earths in South Australia	January 1979	I.T. Grierson
	Effect of stocking rate on wool production of Merino wethers in the cereal zone of northern Eyre Peninsula, South Australia		B.L. Ashton A. Morris C.H.S. Dolling L..F. Coleman
	Reproductive performance of sheep grazing oestrogenic pastures on Kangaroo Island, South Australia		S.K. Walker J.M. Obst D.H. Smith G.P. Hall P.F. Flavel
Vol 6 No 11	Evaluation of agronomic potential, yield and protein of introduced pea ( <i>Pisum sativum</i> ) lines in South Australia	July 1979	L.F. Nitschke S.M. Ali H.C. Nourse
	Evaluation of laparoscopy in early pregnancy as a means of estimating the number of lambs born in different breed-types of ewe		D.O. Kleemann I.N. Cutten
	Beef production from progeny of Hereford cows mated to Hereford Charolais and Brahman sires		M.P.B. Deland
	Beef production from progeny of Hereford cows mated to Charolais and Simmental sires		M.P.B. Deland
Vol 7 No 12	Yield trends in the wheat-belt of South Australia from 1896 to 1964	January 1980	E.A. Cornish R.J. French G.W. Hill
Vol 7 No 13	Seasonal and cultural effects on the botanical composition of a volunteer medic pasture	July 1980	P.M. Kloot
	Breeding for white colour in sheep		S. Adalsteinsson C.H.S. Dolling J.J. Lauvergne
	Blowfly strike of sheep in southern Australia. 1. Kangaroo Island, South Australia		M.D. Murray B.A. Ninnis
	Blowfly strike of sheep in southern Australia. 2. Western Australia		M.D. Murray F.C. Wilkinson
	Blowfly strike of sheep in southern Australia 3. Victoria		M.D. Murray
	Comparative efficiency of hand jetting, race jetting and shower dipping for application of insecticide to the fleece of sheep		P.J. James D.W. Russell
	Notes Gestation length of Herefords mated with Sahiwal, Brahman, Simmental and Charolais and growth rate of the progeny		M.P.B. Deland

Vol 8 & 9 No 14	Seasonal variation in wool growth and live weight of Merino wethers in six localities in South Australia	January 1981 to July 1982	T.H. Brown C.J. Mulhearn O.B. Williams R. Brady
	A survey of insecticide use on fruit trees and grapevines in the Riverland of South Australia		P.T. Bailey G.O. Furness
	Notes Nematicidal control of cereal cyst nematode, <i>Heterodera avenae</i> , in the Murray Mallee, South Australia		P.M. Potter G.R. Stirling
Vol 10 No 15	The effect of grazing on the grain yield of ten oat cultivars in the South-East of South Australia	July 1983	A.D. Craig T.D. Potter
	Preliminary observations on damage to apricots by birds near Murray Bridge, South Australia		D.C. Paton N.C.H. Reid
	Oxidized copper wire particles as an oral copper supplement for sheep		G.J. Judson R. Vandergraaff S.W. Inglis L.D. McLaren
	The effect of implantation with zeranol in autumn, winter or spring upon the growth of grazing yearling cattle		D. Phillips
	Notes Observations on pizzle-dropped wethers in the pastoral zone of South Australia		P.J. James D.H. Yeo A. Grove-Jones
	Carcass characteristics of wild horses (brumbies) from central Australia		W.M. Synnot
Vol 11 No 16	Nutrient concentrations in cereals and pasture legumes grown in the Netherton and Yumali areas of the Southern Mallee of South Australia	1984	A.K. McCord D.J. Reuter J.N. Hannay J.L. Riggs J. Gouzos
	Control of grapevine powdery mildew in southern Australia: I Evaluation of protectant spray programmes		T.J. Wicks R.W. Emmett P.A. Magarey G.C. Fletcher
	Control of grapevine powdery mildew in southern Australia: II Evaluation of fungicides applied after infection		R.W. Emmett T.J. Wicks D. McQuinn
	The moorit gene in Australian sheep		N.R. Gregor A.R. Bennett N.P. Bennett
	Notes A harness and mount designed for use on sheep in large arid zone paddocks		M.C. Willcocks
Vol 12 No 17	Effects of nematicides on citrus nematode ( <i>Tylenchulusse mipenetrans</i> ) and the yield of citrus in South Australia	1985	G.R. Stirling M.E. Wachtel
	A review of the present status of Australian Grapevine Yellows		P.A. Magarey M.F. Wachtel
	The effect of previous fertilizer treatments on the current response in pasture production to phosphorus, sulphur, and potassium in the South-East of South Australia		D.C. Lewis A.P. Meissner
	The incidence of pigmented lambs among the progeny of pigmented rams and Merino ewes which have a high frequency of individuals with spots of pigmented fibres		M.R. Fleet P.F. Flavel J.E. Stafford D.H. Smith C.H.S. Dolling
	Index of Authors		
Vol 13 No 18	The development of the Northfield Laboratories and Research Centre	1986	J.C. Radcliffe

Achievements and future developments in soil and nutritional research	R.J. French
Achievements in agronomic and horticultural research	R.J. van Velsen
Achievements in livestock research	J.T. Feagan B.D. Bartsch R.L. Davies E.R.B. Graham A.S. Pell M.H. Round
Index of Authors	

Prepared by: Barry Philp

Date: August 2014