

REFERENCES

- Aarstad J.S. and Miller D.E. Soil management to reduce runoff under center-
1973 pivot sprinkler system systems. *J. Soil Water Conserv.* 28:171-173.
- Aase J.K. and Siddoway F.H. Stubble height effects on seasonal micro-
1980 climate, water balance, and plant development of no-till winter
wheat. *Agric. Meteorol.* 21:1-20.
- Adams J.E. Effect of soil temperature on grain sorghum growth and yield.
1962 *Agron J.* 54:257-261.
- Adams J.E. Effect of mulches on soil temperature and grain sorghum develop-
1965 ment. *Agron J.* 57:471-474.
- Adams J.E. Effect of mulches and bed configuration. I. Early-season soil
1967 temperature and emergence of grain sorghum and corn. *Agron J.*
59:595-599.
- Adams J.E. Effect of mulches and bed configuration. II. Soil temperature
1970 and growth and yield responses of grain sorghum and corn. *Agron J.*
62:785-790.
- Adams J.E. Residual effects of crop rotations on water intake, soil loss,
1974 and sorghum yield. *Agron J.* 66:299-304.
- Adams W.E., Pallas J.E. Jr. and Dawson R.N. Tillage methods for corn-sod
1970 systems in the Southern Piedmont. *Agron. J.* 62:645-649.
- Adetunji S.A. and Agboola A.A. Fertilizers in the improvement of shifting
1974 agriculture. pp. 217-227. In: *Shifting Cultivation and Soil
Conservation in Africa.* FAO Soils Bull. 24, FAO, Rome.
- Agboola A.A. Effect of different cropping systems on crop yield and soil
1980 fertility management in the humid tropics. pp. 87-105. In: *Organic
Recycling in Africa.* FAO Soils Bull. 43, FAO, Rome.
- Ahn P.M. Soil factors affecting rainfed agriculture in semi-arid regions
1977 with particular reference to the Sahel Zone of Africa. pp.
128-165. In: G.H. Cannell (ed.), *Proc. Int. Symp. on Rainfed
Agriculture in Semi-Arid Regions, Riverside, California, April
1977.*
- Ali M. Effect of mulches and reflectant on the yield of rainfed wheat.
1976 *Indian J. Agron.* 21:61-63.
- Allen R.R. and Fryrear D.W. Energy considerations in conservation tillage
1980 systems. pp. 31-45. In: *Conservation Tillage in Texas.* B.L. Harris
and A.E. Coburn (eds.). *Texas Agric. Ext. Serv. Bull.* B-1290.
- Allen R.R. and Musick J.T. No-till seeding of irrigated sorghum after
1971 wheat. *Am. Soc. Agric. Eng., St. Joseph, Michigan, Paper No.*
71-221.
- Allen R.R., Musick J.T. and Dusek D.A. Limited tillage and energy use with
1980 furrow-irrigated grain sorghum. *Trans. Am. Soc. Agric. Eng.*
23:346-350.
- Allen R.R., Musick J.T., Unger P.W. and Wiese A.F. Soil-, water-, and
1981 energy-conserving tillage - Southern Plains. pp. 94-101. In: *Proc.
Am. Soc. Agric. Eng. Conf. on Crop Production with Conservation in
then 80's.* Chicago, Illinois, December 1980.

- Allen R.R., Musick J.T. and Wises A.F. Limited tillage of furrow irrigated
1976 winter wheat. *Trans. Am. Soc. Agric. Eng.* 19:234-236, 241.
- Allen R.R., Musick J.T., Wood F.O. and Dusek D.A. No-till seeding of irri-
1975 gated sorghum double cropped after wheat. *Trans. Am. Soc. Agric.
Eng.* 18:1109-1113.
- Allen R.R., Stewart B.A. and Unger P.W. Conservation tillage and energy. *J.*
1977 *Soil Water Conserv.* 32:84-87.
- Allen R.R. and Wiese A.F. Minimum tillage. pp. G1-G4. In: *What's Ahead in*
1981 *Crops and Production Practices. Proc. Crop. Prod. and Utiliz.
Symp., Amarillo, Texas, February 1981.*
- Allison F.E. *Soil Organic Matter and Its Role in Crop Production.* Elsevier
1973 *Scientific Publishing Co., Amsterdam, London, New York.* p.
346-359, 417-444.
- Allmaras R.R., Burrows W.C. and Larson W.E. Early growth of corn as
1964 affected by soil temperature. *Soil Sci. Soc. Am. Proc.* 28:271-275.
- Allmaras R.R., Gupta S.C., Pikul J.L. Jr. and Johnson C.E. Soil erosion by
1980 water as related to management of tillage and surface residues,
terracing, and contouring in eastern Oregon. *US Dept. Agric.,
Science and Educ. Adm., Agric. Res. Results, ARR-W-10.*
- Amemiya M. Conservation tillage in the western Corn Belt. *J. Soil Water*
1977 *Conserv.* 32:29-36.
- Anderson D.T. Field equipment needs in conservation tillage methods. pp.
1968 83-91. In: *Conservation Tillage in the Great Plains. Proc. of a
Workshop, Lincoln, Nebraska, February 1968. Great Plains Agric.
Council Publ. No. 32.*
- Andrews D.J. and Kassam A.H. The importance of multiple cropping in
1976 increasing world food supplies. pp. 1-10. In: *Multiple Cropping.
R.I. Papendick, P.A. Sanchez and G.B. Triplett (eds.), Am. Soc.
Agron., Madison, Wisconsin, Spec. Publ. No. 27.*
- Armbrust D.W. and Welch N.H. Evaluation of Zingg conservation bench
1966 terraces on Amarillo fine sandy loam soil. *J. Soil Water Conserv.*
21:224-226.
- Arnoldus H.M.J. Methodology used to determine the maximum potential annual
1977 soil loss due to sheet and rill erosion in Morocco. pp. 39-51. In:
Assessing Soil Degradation. FAO Soils Bull. 34, FAO, Rome.
- Ayanaba A. The potential contribution of nitrogen from rhizobia - a review.
1980 pp. 211-299. In: *Organic Recycling in Africa. FAO Soils Bull. 43,
FAO, Rome.*
- Baeumer K. and Bakermans W.A.P. Zero-tillage. *Adv. Agron.* 25:77-123.
1973
- Baffoe-Bonnie E. and Quansah C. The effect of tillage on soil and water
1975 loss. *Ghana J. Agric. Sci.* 8:191-195.
- Baker J.L. and Johnson H.P. The effect of tillage systems on pesticides in
1979 runoff from small watersheds. *Trans. Am. Soc. Agric. Eng.*
22:554-559.
- Baker L.O., Krall J.L., Aasheim T.S. and Hartman T.P. Chemical summer
1956 fallow in Montana. *Down to Earth* 11(4):21.

- Balasubramanian V. and Nnadi L.A. Crop residue management and soil productivity in savanna areas of Nigeria. pp. 106-120. In: Organic Recycling in Africa. FAO Soils Bull. 43, FAO, Rome.
1980
- Baldwin C.S. Tillage practices and their effects on erosion. Highlights of Agric. Res. in Ontario 2(3):10-11.
1979
- Bals E.J. Development of a c.d.a. (controlled droplet application) herbicide handsprayer. PANS 21(3):345-349.
1975
- Barber R.G., Thomas D.B, and Moore T.R. Studies on soil erosion and runoff and proposed design procedures for terraces in the cultivated, semi-arid areas of Machakos District, Kenya. pp. 219-237. In: Soil Conservation Problems and Prospects: Proc. Conserv. 80. The Int. Conf. on Soil Conserv., Silsoe, Bedford, England, July 1980.
1980
- Barnes O.K. and Bohmont D.W. Effect of cropping practices on water intake rates in Northern Great Plains. Wyoming Agric. Exp. Stn. Bull. 358.
1958
- Barnes O.K., Bohmont D.W. and Rauzi F. Effect of chemical and tillage summer fallow upon water-infiltration rates. Agron. J. 47:435-436.
1955
- Barnett A.P., Carreker J.R., Abruna F., Jackson W.A., Dooley A.E. and Holladay J.H. Soil and nutrient losses in runoff with selected cropping treatments in tropical soils. Agron. J. 64:391-395.
1972
- Bart A.L. Land preparation for agriculture. J. Agric. Soc. Trinidad and Tobago 79:296, 298-299, 301-303, 305-307, 309.
1979
- Beale O.W. and Langdale G.W. The compatibility of corn and coastal bermudagrass as affected by tillage methods. J. Soil Water Conserv. 19:238-240.
1964
- Belcher C.R. and Ragland J.L. Phosphorus absorption by sod-planted corn (Zea mays L.) from surface-applied phosphorus. Agron. J. 64:754-756.
1972
- Benatti R. Jr., Bertoni J. and Moreira C.A. Erosion losses in corn crop with no-tillage and conventional management methods in two Sao Paulo soils. Revista Brasileira de Ciencia do Solo 1:121-123 (English summary).
1977
- Bennett H.H. Soil Conservation, McGraw-Hill, New York and London. pp. 1-15.
1939
- Bennett O.L. Conservation tillage in the Northeast. J. Soil Water Conserv. 32:9-12.
1977
- Bennett W.H., Pittman D.W., Tingey D.C., McAllister D.R., Peterson H.B. and Sampson I.G. Fifty years of dry land research at the Nephi Field Station. Utah Agric. Exp. Stn. Bull. 371.
1954
- Benoit G.R. and Kirkham D. The effect of soil surface conditions on evaporation of soil water. Soil Sci. Soc. Am. Proc. 27:495-498.
1963
- Bensalem B. Examples of soil and water conservation practices in North African countries - Algeria, Morocco and Tunisia. pp. 151-160. In: Soil Conservation and Management in Developing Countries. FAO Soils Bull. 33, FAO, Rome.
1977
- Bertrand A.R. Water conservation through improved practices. pp. 207-235. In: Plant Environment and Efficient Water Use. W.H. Pierre, D. Kirkham, J. Pesek and R. Shaw (eds.). Am. Soc. Agron., Madison, Wisconsin.
1966

- Bhatia K.S., Chaudhary H.P., Kumar A. and Dhillon D.S. Effect of cropping and cultural practices on surface runoff and soil loss. J. Indian Soc. Soil Sci. 27:23-25.
1979
- Black A.L. and Siddoway F.H. Tall wheatgrass barriers for soil erosion control and water conservation. J. Soil Water Conserv. 26:107-111.
1971
- Black A.L., Siddoway F.H. and Brown P.L. Summer fallow in the northern Great Plains (winter wheat). pp. 36-50. In: Summer Fallow in the Western United States. US Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No. 17, US Govt. Print. Office, Washington DC.
1974
- Bolton F.R. and De Datta S.K. Dry soil mulching in tropical rice. Soil Sci. Plant Nutr. 25:173-181.
1979
- Bond J.J., Power J.F. and Willis W.O. Tillage and crop residue management during seedbed preparation for continuous spring wheat. Agron. J. 63:789-793.
1971
- Bond J.J., Van Doren C.E. and Army T.J. Fallowing for wheat production. J. Soil Water Conserv. 16:163-165.
1961
- Bond J.J. and Willis W.O. Soil water evaporation: Surface residue rate and placement effects. Soil Sci. Soc. Am. Proc. 33:445-448.
1969
- Bond J.J. and Willis W.O. Soil water evaporation: First stage drying as influenced by surface residue and evaporation potential. Soil Sci. Soc. Am. Proc. 34:924-928.
1970
- Bond J.J. and Willis W.O. Soil water evaporation: Long-term drying as influenced by surface residue and evaporation potential. Soil Sci. Soc. Am. Proc. 35:984-987.
1971
- Boswell T.E. and Grichar W.J. Comparison of land preparation methods in peanut production. Texas Agric. Exp. Stn. Prog. Rpt. PR-3860.
1981
- Bradfield R. Training agronomists for increasing food production in the humid tropics. pp. 45-63. In: International Agronomy Training and Education. J. Ritchie Cowan and L.S. Robertson (eds.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ. No. 15.
1969
- Bradfield J.M. and Blanchar R.W. Profile modification of a Fragiudalf to increase crop production. Soil Sci. Soc. Am. J. 41:127-131.
1977
- Braun H. Introduction of changes in shifting cultivation and of soil conservation into practical agriculture (Training, pre-extension and extension). pp. 242-244. In: Shifting Cultivation and Soil Conservation in Africa. FAO Soils Bull. 24, FAO, Rome.
1974a
- Braun H. Shifting cultivation in Africa (Evaluation of questionnaires). pp. 21-26. In: Shifting Cultivation and Soil Conservation in Africa. FAO Soils Bull. 24, FAO, Rome.
1974b
- Brengle K.G. Principles and Practices of Dryland Farming. Colorado Assoc. Univ. Press, Boulder, Colorado.
1982
- Brown P.L. Dryland cereal production in Montana. pp. 262-264. In: Proc. Int. Conf. on Mechanized Dryland Farming. W.C. Burrows, R.E. Reynolds, F.C. Stickler and G.E. Van Riper (eds.). Moline, Illinois, August 1969.
1970

- Brown R.E. Jr. and White T.K. Analysis of the impact of alternative corn
1973 tillage-planting systems on optimal farm organization and income.
Indiana Agric. Exp. Stn. Bull. SB-19.
- Burnett E., Arkin G.F. and Reddell D.L. Deep tillage effects on crop
1974 physiological response to water deficits. Am. Soc. Agric. Eng.,
St. Joseph, Michigan, Paper No. 74-2533.
- Burnett E. and Fisher C.E. Land leveling increases dryland cotton produc-
1956 tion. Texas Agric. Exp. Stn. Prog. Rpt. PR-1914.
- Burnett E. and Hauser V.L. Deep tillage and soil-plant-water relationships.
1967 pp. 47-52. In: Tillage for Greater Crop Production Conf. Proc.,
December 1967. Am. Soc. Agric. Eng., St., Joseph, Michigan.
- Burnett E. and Tackett J.L. Effect of soil profile modification on plant
1968 root development. Int. Congr. Soil Sci. Trans. 9th (Adelaide,
Australia) III:329-337.
- Burrows W.C. and Larson W.E. Effect of amount of mulch on soil temperature
1962 and early growth of corn. Agron. J. 54:19-23.
- Burwell R.E., Allmaras R.R. and Sloneker L.L. Structural alteration of soil
1966 surfaces by tillage and rainfall. J. Soil Water Conserv. 21:61-63.
- Cairns R.R. and Bowser W.E. Solonetzic soils and their management. Canada
1977 Dept. Agric. Publ. 1391.
- Call L.E. and Sewell M.C. The soil mulch. J. Am. Soc. Agron. 9:49-61.
1917
- Campbell R.B., Reicosky D.C. and Doty C.W. Physical properties and tillage
1974 of Paleudults in the southeastern Coastal Plains. J. Soil Water
Conserv. 29:220-224.
- Carpenter N.R. Development of rainfed areas in the Near East. "A proposal
1980 combining government, policy, institutional organizations,
technical, social and economic components into a developed system
for rainfed areas". pp. 350-355. In: Rainfed Agriculture in the
Near East and North Africa. Proc. FAO Regional Seminar, Amman,
Jordan, May 1979. FAO, Rome.
- Carpenter N.R. and Ahmed Mohammed M.A. Socio-economic problems encountered
1970 in dryland farming development. pp. 202-219. In: Proc. Int. Conf.
on Mechanized Dryland Farming. W.C. Burrows, R.E. Reynolds, F.C.
Stickler and G.C. Van Riper (eds.). Moline, Illinois, August 1969.
- Carreker J.R., Box J.E. Jr., Dawson R.N., Beaty E.R. and Morris H.D. No-
1972 till corn in fescuegrass. Agron. J. 64:500-503.
- Charreau C. Some controversial technical aspects of farming systems in
1977 semi-arid west Africa. pp. 313-360. In: Proc. Int. Symp. on Rain-
fed Agriculture in Semi-Arid Regions. G.H. Cannell (ed.).
Riverside, California, April 1977.
- Chepil W.S. Wind erodability of farm yields. J. Soil Water Conserv. 14:214-
1959 219.
- Chepil W.S., Moldenhauer W.C., Hobbs J.A., Nossaman N.L. and Taylor H.M.
1962 Deep plowing of sandy soils. US Dept. Agric. Prod. Res. Rpt. No.
64. US Govt. Print. Office, Washington DC.

- Chepil W.S. and Woodruff N.P., The physics of wind erosion and its control.
1963 Adv. Agron. 15:211-302.
- Chisci G. and Zanchi C. The influence of different tillage systems and
1980 different crops on soil losses on hilly silty-clayey soil. pp.
211-217. In: Soil Conservation Problems and Prospects: Proc.
Conserv. 80. The Int. Conf. on Soil Conserv., Silsoe, Bedford,
England, July 1980.
- Clark R.N. and Hudspeth E.B. Runoff control for summer crop production in
1976 the Southern Plains. Trans. Am. Soc. Agric. Eng., St. Joseph,
Michigan, Paper No. 76-2008.
- Clark R.N. and Jones O.R. Furrow dams for conserving rainwater in a semi-
1981 arid climate. pp. 198-206. In: Proc. Am. Soc. Agric. Eng. Conf. on
Crop Production with Conservation in the 80's. Chicago, Illinois,
December 1980.
- Cohen O.P., Evenari M., Shanan L. and Tadmor N.H. "Runoff farming" in the
1968 desert: II. Moisture use by young apricot and peach trees. Agron.
J. 60:33-38.
- Constantinesco I. Soil conservation for developing countries. FAO Soils
1976 Bull. 30, FAO, Rome.
- Cook R.J. Boosalis M.G. and Doupnik B. Influence of crop residues on plant
1978 diseases. pp. 147-163. In: Crop Residue Management Systems. W.R.
Oschwald (ed.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ.
No. 31.
- Costin E. Arid zone examples of shelterbelt establishment and management.
1976 pp. 29-40. In: Conservation in Arid and Semi-arid Zones. FAO
Conserv. Guide 3, FAO, Rome.
- Craig D.G. and Turelle J.W. Guide for wind erosion control on cropland in
1964 the Great Plains states. US Dept. Agric., Soil Conserv. Service,
Washington DC, US Govt. Print. Office, Washington DC.
- Curfs H.P.F. Systems development in agricultural mechanization with special
1976 reference to soil tillage and weed control. A case study for West
Africa. Meded. Landbouwhogeschool Wageningen 76-5 (1976). H.
Veenman & Zonen BV, Wageningen.
- Dabasi-Schweng L. Economic aspects of shifting cultivation. pp. 78-98, In:
1974 Shifting Cultivation and Soil Conservation in Africa. FAO Soils
Bull. 24, FAO, Rome.
- Dale J.E. Control of Johnsongrass by wick-applied glyphosphate. Proc.
1980 Southern Weed Sci. Soc. 33:356 (Abstract).
- Dalton L.G. A positive regression of yield on maturity in sorghum. Crop
1967 Sci. 7:271.
- Daniel H.A. Water conservation for wheat production in Oklahoma. Soil Sci.
1951 Soc. Am. Proc. 15:408-412.
- Daniels N.E. Southwestern corn borer and Banks grass mite. pp. E1-E7. In:
1975 Proc. Corn Prod. Symp., Bushland, Texas, March 1975.
- Das D.C. Soil conservation practices and erosion control in India - A case
1977 study. pp. 11-50. In: Soil Conservation and Management in
Developing Countries. FAO Soils Bull. 33, FAO, Rome.

- Das D.C. Some aspects of shifting cultivation related to soil and water
1980 conservation. *Indian J. Soil Conserv.* 8(1):53-59.
- Datiri B.T. Soil and water conservation practices particularly in areas of
1974 shifting cultivation. pp. 237-241. In: *Shifting Cultivation and
Soil Conservation in Africa*. FAO Soils Bull. 24, FAO, Rome.
- Davis R.G., Johnson W.C. and Wood F.O. Weed root profiles. *Agron J.* 59:555-
1967 556.
- Davis R.G., Wiese A.F. and Pafford J.L. Root moisture extraction profiles
1965 of various weeds. *Weeds* 13:98-100.
- De Brichambaut, G. Perrin. Similarities and differences in worldwide dry-
1970 land farming. pp. 20-34. In: *Proc. Int. Conf. on Mechanized Dry-
land Farming*. W.C. Burrows, R.E. Reynolds, F.C. Stickler and G.E.
Van Riper (eds.). Moline, Illinois, August 1969.
- De Datta S.K. Weed control and soil and crop management in rainfed rice at
1978 IRRI and other locations in tropical Asia. pp. 201-211. In: *Rice
in Africa*, Proc. of a Conf. held at the International Institute of
Tropical Agriculture, Ibadan, Nigeria, March 1977. I.W. Budden-
hagen and G.J. Persley (eds.). Academic Press, London, New York,
San Francisco.
- De Datta S.K., Bolton F.R. and Lin W.L. Prospects for using minimum and
1979 zero tillage in tropical lowland rice. *Weed Res.* 19:9-15.
- Dickey E.C. and Rider A.R. Eastern Nebraska row crop tillage systems. pp.
1981 85-93. In: *Proc. Am. Soc. Agric. Eng. Conf. on Crop Production
with Conservation in the 80's*. Chicago, Illinois, December 1980.
- Dickson R.E., Langley B.C. and Fisher C.E. Water and soil conservation
1940 experiments at Spur, Texas. *Texas Agric. Exp. Stn. Bull.* B-587.
- Dixon R.M. Water infiltration control on rangelands: Principles and prac-
1978 tices. pp. 322-325. In: *Proc. First Int. Rangeland Congress*,
Denver, Colorado, August 1978.
- Dixon R.M. Imprinting vegetation system: How it works and things that can
1981a go wrong. (Unpublished Mimeo. Rpt.).
- Dixon R.M. Some bihydrologic impacts of land imprinting. p. 52. In: 1981
1981b Supplement, *J. Arizona-Nevada Acad. Sci.*, 20th Ann. Mtg., Tucson,
Arizona, May 1981.
- Dixon R.M. Land imprinting activities. p. 12. In: 35th Ann. Rpt., *Vegeta-
1981c tive Rehabilitation and Equipment Workshop*, Tulsa, Oklahoma,
February 1981.
- Donahue R.L., Miller R.W. and Shickluna J.C. *Soils - An Introduction to
1977 Soils and Plant Growth*. Prentice-Hall, Englewood Cliffs, New
Jersey.
- Doty C.W., Campbell R.B. and Reicosky D.C. Crop responses to chiseling and
1975 irrigation in soils with a compact A2 horizon. *Trans. Am. Soc.
Agric. Eng.* 18:668-672.
- Downes R.G. Principles of applying conservation methods in Australia. pp.
1970 36-42. In: *Proc. Int. Conf. on Mechanized Dryland Farming*. W.C.
Burrows, R.E. Reynolds, F.C. Stickler and G.E. Van Riper (eds.).
Moline, Illinois, August 1969.

- Dregne H.E. The effect of desertification on crop production in semi-arid regions. pp. 113-127. In: Proc. of an Int. Symp. on Rainfed Agriculture in Semi-Arid Regions. G.H. Cannell (ed.). Riverside, California, April 1977.
- Duley F.L. and Mathews O.R. Ways to till the soil. pp. 518-526. In: Science in Farming, 1943-1947 Yearbook of Agriculture, US Dept. Agric., US Govt. Print. Office, Washington .DC.
- Duley F.L. and Russel J.C. Crop residues for protecting row-crop land against runoff and erosion. Soil Sci. Soc. Am. Proc. 6:484-487.
- Duley F.L. and Russel J.C. Effect of stubble mulching on soil erosion and runoff. Soil Sci. Soc. Am. Proc. 7:77-81.
- Dunham R.J. No-tillage crop production in tropical Africa: Review and report from Samaru. Inst. for Agric. Res., Zaria, Nigeria (Mimeo. Rpt.).
- Eck H.V., Martinex T. and Wilson G.C. Alfalfa production on a profile modified slowly permeable soil. Soil Sci. Soc. Am. J. 41:1181-1186.
- Eck H.V. and Taylor H.M. Profile modification of a slowly permeable soil. Soil Sci. Soc. Am. Proc. 33:779-783.
- Edwards W.M., Triplett G.B. Jr. and Kramer R.M. A watershed study of glyphosphate transport in runoff. J. Environ. Qual. 9:661-665.
- El Fakhry A.K. and Sultan A.M. Studies on crop rotations and tillage practices on wheat production under rainfed conditions in northern Iraq. pp. 59-65. In: Rainfed Agriculture in the Near East and North Africa. Proc. FAO Regional Seminar, Amman, Jordan, May 1979. FAO, Rome.
- Elliott L.F., McCalla T.M. and Waiss A. Jr. Phytotoxicity associated with residue management. pp. 131-146. In: Crop Residue Management Systems. W.R. Oswald (ed.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ. No. 31.
- Engle C. and Florea B. The costs of stubble mulch tillage in eastern Washington, a panel study of crop yields and production costs. Washington State Univ. Coop. Ext. Publ. EM 4409.
- ESA (Energy Systems Associates Inc.). Sandstill - sand and dust movement in desert areas and desert engineering. Energy Systems Associates Inc., McLean, Virginia.
- Evenari M., Shanan L. and Tadmor N.H. "Runoff farming" in the desert. I. Experimental layout. Agron. J. 60:29-32.
- Fairbourn M.L. Effect of gravel mulch on crop yields. Agron J. 65:925-928. 1973
- Fairbourn M.L. Effect of coal mulch on crop yields. Agron. J. 66:785-789. 1974
- Fairbourn M.L. and Gardner H.R. Vertical mulch effects on soil water storage. Soil Sci. Soc. Am. Proc. 36:823-827.
- Fairbourn M.L. and Gardner H.R. Field use of microwatersheds with vertical mulch. Agron. J. 66:740-744.

- Fairbourn M.L. and Kemper W.D. Gravel mulches improve dryland tomato yields. Colorado Rancher and Farmer 24(3):64-65. 1970
- FAO. The Dryland Farming Project - Report to the Government of Jordan. FAO 1970 TA 2884, FAO, Rome.
- FAO. Tillage and seeding practices and machines for crop production in semi-arid areas. FAO Agric. Devel. Paper No. 92, FAO, Rome. 1971
- FAO. Effects of farm mechanization on production and employment. Report of 1975 the FAO OECD Panel, Rome, Italy, February 1975. FAO, Rome.
- FAO. Introduction. p. 1-2. In: Soil Conservation and Management in Developing Countries. FAO Soils Bull. 33, FAO, Rome. 1977a
- FAO. Assessing land degradation. FAO Soils Bull. 34, FAO, Rome. 1977b.
- FAO. China: Recycling of organic wastes in agriculture. FAO Soils Bull. 40 1977c FAO, Rome.
- FAO. Soil erosion by wind and measures for its control on agricultural lands. FAO Agric. Devel. Paper No. 71, FAO, Rome. 1978a
- FAO. Soil erosion by water: Some measures for its control on cultivated lands. FAO Agric. Devel. Paper No. 81, FAO, Rome. 1978b
- Faulkner E.H. Plowman's Folly (2nd ed.). Univ. Oklahoma Press, Norman, 1974 Oklahoma.
- Fenster C.R. Advances in stubble mulch farming. pp. 55-60. In: Conservation Tillage in the Great Plains. Proc. of a Workshop, Lincoln Nebraska, February 1968. Great Plains Agric. Council Publ. No. 32. 1968
- Fenster C.R. Stubble mulching. pp. 202-207. In: Conservation Tillage, the Proc. of a Natl. Conf., Soil Conserv. Soc. Am., Ankeny, Iowa. 1973
- Fink D.H. Residual-wax soil treatments for water harvesting. Soil Sci. Soc. Am. J. 46:1077-1080. 1982
- Finnell H.H. Water conservation in Great Plains wheat production. Texas Agric. Exp. Stn. Bull. B-655. 1944
- Fisher C.E. and Burnett E. Conservation and utilization of soil moisture. Texas Agric. Exp. Stn. Bull. B-767. 1953
- Fisher W.F. and Lane D.R. Till-planting. pp. 187-194. In: Conservation Tillage, the Proc. of a Natl. Conf., Soil Conserv. Soc. Am. , Ankeny, Iowa. 1973
- Fleischer L.T. Sr. Nebraska Till Plant System. S.C. Weiss (ed., 2nd Ed.). 1969 Fleischer Mfg. Co., Columbus, Nebraska.
- Forster D.L., Rask N., Bone S.W. and Schurle B.W. Reduced tillage systems for conservation and profitability. Ohio State Univ., Dept. Econ. and Sociol., ESS 532. (Mimeo. Rpt). 1976
- Fosbrooke H.A. Socio-economic aspects of shifting cultivation. pp. 72-77. In: Shifting Cultivation and Soil Conservation in Africa. FAO Soils Bull. 24, FAO, Rome. 1974
- Fosse T.S. Montana wheatland management. pp. 266-268. In: Proc. Int. Conf. on Mechanized Dryland Farming. W.C. Burrows, R.E. Reynolds, F.C. Stickler and G.E. Van Riper (eds.). Moline, Illinois, August 1969. 1970

- French E.W. and Riveland N. Chemical fallow in a spring wheat-fallow rotation. North Dakota Farm Res. 38(1):12-15.
1980
- Frere M.H. Nutrient aspects of pollution from cropland. pp. 59-90. In: Control of Water Pollution from Cropland, Vol. II - An Overview. B.A. Stewart, D.A. Woolhiser, W.H. Wischmeier, J.H. Caro and M.H. Frere (eds.). US Dept. Agric. Rpt. No. ARS-H-5-2. US Govt. Print. Office, Washington DC.
1976
- Frye W.W. and Thomas G.W. The soil fertility environment in reduced tillage systems. Agron. Abstr., p. 171, Am. Soc. Agron., Madison, Wisconsin.
1979
- Fryrear D.W. Reducing wind erosion in the southern Great Plains. Texas Agric. Exp. Stn. Misc. Publ. MP-929.
1969
- Gaikwad C.B. and Khuspe V.S. Long-term effects of tillage and manuring on some physical and chemical properties in black soil under rainfed cropping. J. Maharashtra Agric. Univ. 1(2-6):145-147.
1976
- Gamble M.D. Land modification for soil moisture conservation - field application. pp. 155-157. In: Conservation Tillage in the Great Plains. Proc. of a Workshop, Lincoln, Nebraska, February 1968. Great Plains Agric. Council Publ. No. 32.
1968
- Gantzer C.J. and Blake G.R. Physical characteristics of Le Sueur clay loam soil following no-till and conventional tillage. Agron. J. 70:853-857.
78
- Gardner H.R. and Gardner W.R. Relation of water application to evaporation and storage of soil water. Soil Sci. Soc. Am. Proc. 33:192-196.
1969
- Gifford R.C. Agricultural mechanization in development: Guidelines for strategy formulation. FAO Agric. Serv. Bull. 45, FAO, Rome.
1981
- Gil N. Watershed development with special reference to soil and water conservation. FAO Soils Bull. 44, FAO, Rome.
1979
- Gill K.S., Jalota S.K., Prihar S.S. and Chaudhary T.N. Water conservation by soil mulch in relation to soil type, time of tillage, tilth and evaporativity. J. Indian Soc. Soil Sci. 25:360-366.
1977
- Gill W.R. and Trowse A.C. Jr. Results from controlled traffic studies and their implications in tillage systems. pp. 126-131. In: Proc. No-Tillage Systems Symp., Columbus, Ohio, February 1972. Ohio State Univ., Columbus, Ohio.
1972
- Gill W.R. and Vanden Berg G.E. Soil dynamics in tillage and traction. pp. 117-210. US Dept. Agric., Agric. Res. Serv., Handbook No. 316, US Govt. Print. Office, Washington DC.
1967
- Gillespie P.D. Development of gully erosion at the head of Bango Creek near Yass, New South Wales, Australia. J. Soil Conserv. Serv., New South Wales 37(1):6-12.
1981
- Grable A.R. Soil aeration and plant growth. Adv. Agron. 18:57-106.
1966
- Greb B.W. Reducing drought effects on croplands in the west central Great Plains. US Dept. Agric. Info. Bull. 420. US Govt. Print. Office, Washington DC.
1979

- Greb B.W., Smika D.E. and Black A.L. Effect of straw-mulch rates on soil
1967 water storage during summer fallow in the Great Plains. Soil Sci.
Soc. Am. Proc. 31:556-559.
- Greb B.W., Smika D.E. and Black A.L. Water conservation with stubble mulch
1970 fallow. J. Soil Water Conserv. 25:58-62.
- Greb B.W., Smika D.E., Woodruff N.P. and Whitfield C.J. pp. 51-85. In:
1974 Summer Fallow in the Western United States. US Dept. Agric.,
Agric. Res. Serv. Conserv. Res. Rpt. No. 17. US Govt. Print.
Office, Washington DC.
- Green J.J., Chenault E.W., Lavake D.E. and Wiese A.F. Weed control with a
1982 controlled droplet applicator. Texas Agric. Exp. Stn. Prog. Rpt.
PR-4025.
- Greenland D.J. Evolution and development of different types of shifting
1974 cultivation. pp. 5-13. In: Shifting Cultivation and Soil Conserva-
tion in Africa. FAO Soils Bull. 24, FAO, Rome.
- Greenland D.J. Organic recycling in agriculture: Some research needs. pp.
1980 230-234. In: Organic Recycling in Africa. FAO Soils Bull. 43, FAO,
Rome.
- Griffith D.R., Mannering J.V. and Moldenhauer W.C. Conservation tillage in
1977 the eastern Corn Belt. J. Soil Water Conserv. 32:20-28.
- Griffith D.R. and Parsons S.D. Energy requirements for various tillage-
1980 planting systems. Purdue Univ. Coop. Ext. Serv. Publ. (Tillage)
ID-141
- Griffith D.R. and Parsons S.D. Energy requirements for tillage-planting
1981 systems. pp. 272. In: Proc. Am. Soc. Agric. Eng. Conf. on Crop
Production with Conservation in the 80's. Chicago, Illinois,
December 1980.
- Haas H.J., Evans C.E. and Miles E.F. Nitrogen and carbon changes in Great
1957 Plains soils as influenced by cropping and soil treatments. US
Dept. Agric. Tech. Bull. 1164. US Govt. Print. Office, Washington
DC .
- Haas H.J. and Willis W.O. Conservation bench terraces in North Dakota.
1968 Trans. Am. Soc. Agric. Eng. 11:396-398, 402.
- Hadas A., Wolf D. and Stibbe E. Tillage practices and crop response -
1980 analyses of agro-ecosystems. Agro-Ecosystems 6:235-248.
- Hagen L.J., Skidmore E.L. and Dickerson J.D. Designing narrow strip barrier
1972 systems to control wind erosion. J. Soil Water Conserv.
27:269-272.
- Hakimi A.H. and Kachru R.P. Response of barley crop to different tillage
1976 treatments on calcareous soil. J. Agric. Eng. Res. 21:399-403.
- Hamblin A.P. and Tennant D. Interactions between soil type and tillage
1979 level in a dryland situation. Aust. J. Soil Res. 17:177-189.
- Hanks R.J. and Woodruff N.P. Influence of wind on water vapor transfer
1958 through soil, gravel, and straw mulches. Soil Sci. 86:160-164.
- Hanway D.G. Cultural practices in mechanized dryland farming. pp. 102-122.
1970 In: Proc. Int. Conf. on Mechanized Dryland Farming. W.C. Burrow,
R.E Reynolds, F.C. Stickler and G.E. Van Riper (eds.). Moline,
Illinois, August 1969.

- Hargrove W.L. and Thomas G.W. Effect of organic matter on exchangeable
1981 aluminum and plant growth in acid soils. pp. 151-166. In:
Chemistry in the Soil Environment. R.H. Dowdy, J.A. Ryan, V.V.
Volk and D.E. Baker (ed. comm.). Am. Soc. Agron., Madison,
Wisconsin, Spec. Publ. No. 40.
- Harper H.J. The effect of terrace ridges on the production of winter wheat.
1941 Soil Sci. Soc. Am. Proc. 6:474-479.
- Harper J. and Brensing O.H. Deep plowing to improve sandy land. Oklahoma
1950 Agric. Exp. Stn. Bull. B-362.
- Harrison F.P., Bean R.A. and Qawiyy O.J. No-till culture of sweet corn in
1980 Maryland with reference to insect pests. J. Econ. Entomol.
73:363-365.
- Harrold L.L. and Edwards W.M. A severe rainstorm test of no-till corn. J.
1972 Soil Water Conserv. 27:30.
- Harrold L.L. and Edwards W.M. No-tillage system reduces erosion from con-
1974 tinuous corn watersheds. Trans. Am. Soc. Agric. Eng. 17:414-416.
- Harwood R.R. and Price E.C. Multiple cropping in tropical Asia. pp. 11-40.
1976 In: Multiple Cropping. R.I. Papendick, P.A. Sanchez and G.B.
Triplett (eds.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ.
No. 27.
- Hauck F.W. Introduction. pp. 1-4. In: Shifting Cultivation and Soil Conser-
1974 vation in Africa. FAO Soils Bull. 24, FAO, Rome.
- Hauser V.L. Conservation bench terraces in Texas. Trans. Am. Soc. Agric.
1968 Eng. 11:385-386, 392.
- Hauser V.L. and Cox M.B. Evaluation of Zingg conservation bench terrace.
1962 Agric. Eng. 43:462-464, 467.
- Hauser V.L. and Taylor H.M. Evaluation of deep-tillage treatments on slowly
1964 permeable soil. Trans. Am. Soc. Agric. Eng. 7:134-136, 141.
- Hauser V.L., Van Doren C.E. and Robins J.S. A comparison of level and
1962 graded terraces in the Southern High Plains. Trans. Am. Soc.
Agric. Eng. 5:75-77.
- Hayes W.H. and Kimberlin L.W. A guide for determining crop residue for
1978 water erosion control. pp. 35-48. In: Crop Residue Management
Systems. W.R. Oschwald (ed.). Am. Soc. Agron., Madison, Wisconsin,
Spec. Publ. No. 31.
- Hays O.E. New tillage methods reduce erosion and runoff. J. Soil Water Con-
1961 serv. 16:172-175.
- Heilman M.D. and Gonzalez C.L. Effect of narrow trenching in Harlingen clay
1973 soil on plant growth, rooting depth, and salinity. Agron. J.
65:816-819.
- Hemmer R.F. and Forster D.L. Farmers' experiences with reduced tillage sys-
1981 tems. Ohio State Univ. Coop. Ext. Serv. Publ. 636.
- Higgins G.M. Land classification. pp. 59-75. In: Soil Conservation and Man-
1977 agement in Developing Countries. FAO Soils Bull. 33, FAO, Rome.
- Hildebrand P.A. Multiple cropping systems are dollars and "sense" agronomy.
1976 pp. 347-371. In: Multiple Cropping. R.I. Papendick, P.A. Sanchez
and G.B. Triplett (eds.). Am. Soc. Agron., Madison, Wisconsin,
Spec. Publ. No. 27.

- Hinman H.R., Engle C.F., Erickson D.H. and Willett G.S. Cost of alternative
1981a tillage practices, central Whitman County, Washington. Washington
State Univ. Coop. Ext. Bull. 0850.
- Hinman H.R., Engle C.F., Erickson D.H. and Willett G.S. Cost comparisons
1981b for alternative tillage practices in western Whitman County.
Washington State Univ. Coop. Ext. Bull. 0840.
- Hobbs J.A. and Brown P.L. Nitrogen and organic carbon changes in cultivated
1957 western Kansas soils. Kansas Agric. Exp. Stn. Tech. Bull. 89.
- Hobbs J.A. and Brown P.L. Effects of cropping and management on nitrogen
1965 and organic carbon contents of a western Kansas soil. Kansas
Agric. Exp. Stn. tech. Bull. 144.
- Hoefl R.G. et al. Double cropping in Illinois. Univ. of Illinois Coop. Ext.
1975 Serv. Circ. 1106.
- Hopfen H.J. Farm implements for arid and tropical regions. Revised edition.
1969 FAO Agric. Devel. Paper No. 91, FAO, Rome.
- Hopfen H.J. and Biesalski E. Small farm implements. FAO Agric. Devel. Paper
1953 No. 32, FAO, Rome.
- Hopp H. and Slater C.S. The effect of earthworms on the productivity of
1961 agricultural soil. pp. 67-83. In: The Challenge of Earthworm
Research. R. Rodale (ed.). The Soil and Health Foundation, Emmaus,
Pennsylvania.
- Howard P.M. The water erosion problem in the United States. pp. 25-34. In:
1981 Proc. Am. Soc. Agric. Eng. Conf. on Crop Production with
Conservation in the 80's. Chicago, Illinois, December 1980.
- Hudson E.H. Economic considerations of no-tillage farming. Univ. of
1981 Tennessee Agric. Ext. Serv. Publ. 923.
- Hudson N. Soil Conservation (2nd ed.), Cornell Univ. Press, Ithaca, New
1981 York.
- Hundal S.S. and De Datta S.K. Effect of dry-season soil management on water
1982 conservation for the succeeding rice crop in a tropical soil. Soil
Sci. Soc. Am. J. 46:1081-1086.
- ICI - Plant Protection. Handbook of Direct Drilling. pp. 24-25 (1977 Adden-
1976 dum), 67-86. Kynoch Press, Birmingham, England.
- IUCN (International Union for Conservation of Nature and Natural Resources)
1980 Maintenance of essential ecological processes and life-support
systems. Section 2. In: World Conservation Strategy, Living
Resource Conservation for Sustainable Development. Int. Union
Conserve. Nature and Natural Resources, Gland, Switzerland.
- Jacks G.V., Brind W.D. and Smith R. Mulching. Commonwealth Bur. Soil Sci.
1955 (England) Tech. Comm. No. 49.
- Jacobsen P. New developments in land-terrace systems. Trans. Am. Soc.
1966 Agric. Eng. 9:576-577.
- Jacobsen P. Improvements in bench terraces. Trans. Am. Soc. Agric. Eng. 11:
1968 532-533.
- Jalota S.K. and Prihar S.S. Soil water storage and weed growth as affected
1979 by shallow-tillage and straw mulching with and without herbicide
in bare-fallow. Indian J. Ecol. 5:41-48.

- James E. Effect of certain cultural practices on moisture conservation on a
1945 Piedmont soil. J. Am. Soc. Agron. 37:945-952.
- Jamison V.C. Changes in air-water relationships due to structural improve-
1953 ment of soils. Soil Sci. 76:143-151.
- Jeffers D.L., Triplett G.B. and Beuerlein J.E. Double-cropped soybeans.
1973 Ohio report 58(4):67-69.
- Jensen M.E. and Sletten W.H. Effects of alfalfa, crop sequence, and tillage
1965 practice on intake rates of Pullman silty clay loam and grain
yields. US Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No.
1. US Govt. Print. Office, Washington DC.
- Johnson H.P., Baker J.L., Shrader W.D. and Laflen J.M. Tillage system
1979 effects on sediment and nutrients in runoff from small watersheds.
Trans. Am. Soc. Agric. Eng. 22:1110-1114.
- Johnson W.C. Stubble-mulch farming on wheatlands of the Southern High
1950 Plains. US Dept. Agric. Circ. 860. US Govt. Print. Office,
Washington DC.
- Johnson W.C. Some observations on the contribution of an inch of seeding
1964 time soil moisture to wheat yield in the Great Plains. Agron. J.
56:29-35.
- Johnson W.C. and Davis R.G. Research on stubble-mulch farming of winter
1972 wheat. US Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No.
16. US Govt. Print. Office, Washington DC.
- Johnson W.C. and Davis R.G. Yield-water relationships of summer-fallowed
1980 winter wheat: A precision study in the Texas Panhandle. US Dept.
Agric., Sci. and Educ. Adm., Agric. Res. Results ARR-S-5.
- Johnson W.C., Van Doren C.E. and Burnett E. Summer fallow in the Southern
1974 Great Plains. pp. 86-109. In: Summer Fallow in the Western United
States. US Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No.
17. US Govt. Print. Office, Washington DC.
- Johnson W.E. Conservation tillage in western Canada. J. Soil Water Conserv.
1977 32:61-65.
- Johnston J.C. and Sullivan W. Eliminating tillage in citrus soil manage-
1949 ment. California Agric. Ext. Serv. Circ. 150.
- Johnston J.R., Browning G.M. and Russell M.B. The effect of cropping prac-
1943 tices on aggregation, organic matter content, and loss of soil and
water in the Marshall silt loam. Soil Sci. Soc. Am. Proc.
7:105-107.
- Jones O.R. Yields and water-use efficiencies of dryland winter wheat and
1975 grain sorghum production systems in the Southern High Plains. Soil
Sci. Soc. Am. Proc. 39:98-103.
- Jones O.R. Management practices for dryland sunflower in the US southern
1978 Great Plains. pp. 89-98. In: Proc. Sth Int. Sunflower Conf.,
Minneapolis, Minnesota, July 1978.
- Jones O.R. Land forming effects on dryland sorghum production in the
1981 southern Great Plains. Soil Sci. Soc. Am. J. 45:606-611.
- Jones O.R. and Hauser V.L. Runoff utilization for grain production. pp.
1975 277-283. In: Water Harv. Symp. Proc., Phoenix, Arizona. US Dept.
Agric. ARS W-22.

- Jones O.R. and Shipley J.L. Economics of land leveling for dryland grain
1975 production. J. Soil Water Conserv. 30:177-181.
- Juo A.S.R. and Lal R. The effect of fallow and continuous cultivation on
1977 the chemical and physical properties of an Alfisol in Western
Nigeria. Plant and Soil 47:567-584.
- Kamara C.S. Mulch-tillage techniques in Sierra Leone on cowpea growth and
1980 yield. Trop. Grain Legume Bull. 19:10-13.
- Kang B.T., Moody K. and Adesina J.O. Effects of fertilizer and weeding in
1980 no-tillage and tilled maize. Fertilizer Res. 1:87-93.
- Kelley O.J. Principles of applying conservation measures in the U.S.A. pp.
1970 44-69. In: Proc. Int. Conf. on Mechanized Dryland Farming. W.C.
Burrows, R.E. Reynolds, F.C. Stickler and G.E. Van Riper (eds.).
Moline, Illinois, August 1969.
- Kemper W.D. and Koch E.J. Aggregate stability of soils from Western United
1966 States and Canada - Measurement procedure, correlations with soil
constituents. US Dept. Agric. Tech. Bull. 1355. US Govt. Print.
Office, Washington DC.
- Ketcheson J. Conservation tillage in eastern Canada. J. Soil Water Conserv.
1977 32:57-60.
- Khan S.A. and Chatterjee B.N. Growing greengram with minimum tillage.
1982 Indian J. Agric. Sci. 52:117-119.
- Kimberlin L.W. Conservation treatment of erodible cropland: Status and
1976 needs. pp. 339-346. In: Soil Erosion: Prediction and Control. US
Dept. Agric., Agric. Res. Serv. Spec. Publ. 21. US Govt. Print.
Office, Washington DC.
- Koshi P.T. and Fryrear D.W. Effect of tractor traffic, surface mulch, and
1973 seedbed configuration on soil properties. Soil Sci. Soc. Am. Proc.
37:758-762.
- Krantz B.A., Kampen J. and Virmani S.M. Soil and water conservation and
1978 utilization for increased food production in the semi-arid
tropics. Int. Crops Res. Inst. for the Semi-arid Tropics,
Hyderabad, India. Journal Article 30, pp. 1-24.
- Kronstad W.E. McQuiston W.L., Swearingin M.L. and Qualset C.O. Crop selec-
1978 tion for specific residue management systems. pp. 207-217. In:
Crop Residue Management Systems. W.R. Oschwald (Ed.). Am. Soc.
Agron., Madison, Wisconsin, Spec. Publ. No. 31.
- Laflen J.M., Baker J.L., Hartwig R.O., Buchele W.F. and Johnson H.P. Soil
1978 and water loss from conservation tillage systems. Trans. Am. Soc.
Agric. Eng. 21:881-885.
- Lal R. Soil erosion and shifting agriculture. pp. 48-71. In: Shifting Cul-
1974 tivation and Soil Conservation in Africa. FAO Soils Bull. 24, FAO,
Rome.
- Lal R. Role of mulching techniques in tropical soil and water management.
1975 Int. Inst. Trop. Agric. Tech. Bull. No. 1
- Lal R. Zero-tillage. pp. 616-62U. In: The Encyclopedia of Soil Science.
1979 Part I. Physics, Chemistry, Biology, Fertility and Technology.
R.W. Fairbridge and C.W. Finkl Jr. (eds.). Dowden, Hutchinson &
Ross, Stroudsburg, Pennsylvania.

- Lal R. Crop residue management in relation to tillage techniques for soil
1980 and water conservation. pp. 72-78. In: Organic Recycling in
Africa. FAO Soils Bull. 43, FAO, Rome.
- Lal R. No-tillage farming in the tropics. pp. 103-151. In: No-Tillage
1980[?] Research: Research Reports and Reviews. R.E. Phillips, G.W. Thomas
and R.L. Blevins (eds.). Univ. of Kentucky, Lexington, Kentucky.
- Larson W.E. Advances in minimum tillage for corn. Seventeenth Annual Hybrid
1962 Corn Industry Res. Conf., Am. Seed Trade Assoc. 17:44-51.
- Larson W.E. and Allmaras R.R. Management factors and natural forces as
1971 related to compaction. pp. 367-427. In: Compaction of Agricultural
Soils. K.K. Barner et al. (eds.). Am. Soc. Agric. Eng., St.
Joseph, Michigan.
- Lavake D.E. and Wiese A.F. Influence of weed growth and tillage interval
1979 during fallow on water storage, soil nitrates, and yield. Soil
Sci. Soc. Am. J. 43:565-569.
- Leggett G.E., Ramig R.E., Johnson L.C. and Masee T.W. Summer fallow in the
1974 Northwest. pp. 110-135. In: Summer Fallow in the Western United
States. US Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No.
17. US Govt. Print. Office, Washington DC.
- Lehane J.J. and Nielson K.F. The influence of field shelterbelts on clima-
1961 tic factors, soil drifting, snow accumulation, soil moisture and
grain yields. Research Stn. Bull., Swift Current, Saskatchewan,
January 1961.
- Le Houerou H.N. Can desertization be halted? pp. 1-15. In: Conservation in
1976 Arid and Semi-arid Regions. FAO Conserv. Guide 3, FAO, Rome.
- Lemon E.R. The potentialities for decreasing soil moisture evaporation
1956 loss. Soil Sci. Soc. Am. Proc. 20:120-125.
- Lessiter F. (ed.). 1981/1982 No-till farmer acreage survey. No-till Farmer
1982a 10(3):5.
- Lessiter F. (ed.). No-tillage is defined. No-Till Farmer 10(6):2.
1982b
- Lindstrom M.J., Koehler F.E. and Papendick R.I. Tillage effects on fallow
1974 water storage in the eastern Washington dryland region. Agron. J.
66:312-316.
- Lindstrom M.J., Voorhees W.B. and Randall G.W. Long-term effects of inter-
1981 row runoff and infiltration. Soil Sci. Soc. Am. J. 45:945-948.
- Litsinger J.A. and Moody K. Integrated pest management in multiple cropping
1976 systems. pp. 293-316. In: Multiple Cropping. R.I. Papendick, P.A.
Sanchez and G.B. Triplett (eds.). Am. Soc. Agron., Madison,
Wisconsin, Spec. Publ. No. 27.
- Locke L.F. and Mathews O.R. Relation of cultural practices to winter wheat
1953 production, Southern Great Plains Field Station, Woodward, Okla.
US Dept. Agric. Circ. 917. US Govt. Print. Office, Washington DC.
- Logan T.J. Pesticide use in the Lake Erie Basin and the impact of accelera-
1981 ted conservation tillage pesticide use and runoff losses.
Technical Report, Lake Erie Wastewater Management Study, US Army
Corps of Engineers, Buffalo District, Buffalo, New York.

- Lonbard T.W. Oil weed control with cultivations versus none-cultivation.
1944 California Citrograph 29:212.
- Lowdermilk W.C. Conquest of the land through 7000 years. US Dept. Agric.,
1953 Soil Conserv. Serv., Agric. Info. Bull 99. US Govt. Print. Office,
Washington DC.
- Luchsinger L., Alfredo Roberto Villa R. and Gaete U. Monica. Effects of
1979 minimum tillage and no-tillage sowing on the development and
productivity of maize (*Zea mays* L.). Invest. Agric. (Chile)
5:39-45.
- Luebs R.E. Investigations of cropping systems, tillage methods, and
1962 cultural practices for dryland farming at the Fort Hays (Kansas)
Branch Experiment Station. Kansas Agric. Exp. Stn. Bull. No. 449.
- Luthin J.N. (ed.). Drainage of Agricultural Lands. Agronomy 7, 620 pp. Am.
1957 Soc. Agron., Madison, Wisconsin.
- Lyle W.M. Low energy precision water application system. pp. F1-F5. In:
1979 Proc. Crop Prod. and Utiliz. Symp., Amarillo, Texas, February
1979.
- Lyles L. and Allison B.E. Equivalent wind-erosion protection from selected
1981 crop residues. Trans. Am. Soc. Agric. Eng. 24:405-408.
- Lyle W.M. and Dixon D.R. Basin tillage for rainfall retention. Trans. Am.
1977 Soc. Agric. Eng. 20:1013-1017.
- Lyles L. and Tatarko J. Emergency tillage to control wind erosion: Influ-
1982 ence on winter wheat yield. J. Soil Water Conserv. 37:344-347.
- Lyles L. and Woodruff N.P. How moisture and tillage affect soil cloddiness
1962 for wind erosion, control. Agric. Eng. 43:150-153.
- Lyon T.L., Buckman H.O. and Brady N.C. The Nature and Properties of Soils
1952 (5th ed.). MacMillan, New York.
- Lyonga S.N. Some common farming systems in Cameroon, their influence on the
1980 use of organic matter and the effects of soil burning on maize
yields and on soil properties. pp. 79-86. In: Organic Recycling in
Africa. FAO Soils Bull. 43, FAO, Rome.
- Mahtab S.K., Swoboda A.R., Godfrey C.L. and Thomas G.W. Phosphorus diffu-
1972 sion in soils. II. The effect of phosphorus uptake by plants. Soil
Sci. Soc. Am., Proc. 36:55-57.
- Mahto D.N. and Sinha M.P. Effect of tillage practices on weed control and
1980 yield of maize. Indian J. Agron. 25:146-148.
- Mannering J.V. and Meyer L.D. The effects of different methods of cornstalk
1961 residue management on runoff and erosion as evaluated by simulated
rainfall. Soil Sci. Soc. Am. Proc. 25:506-510.
- Mannering J.V. and Meyer L.D. The effects of various rates of surface mulch
1963 on infiltration and erosion. Soil Sci. Soc. Am. Proc. 27:84-86.
- Massee T.W. and Siddoway F.H. Fall chiseling for annual cropping of spring
1969 wheat in the intermountain dryland region. Agron. J. 61:177-182.
- Massee T.W., Siddoway F.H., McKay H.C. and Mech S.J. Moisture conservation
1966 for wheat production in the Upper Snake River dryfarming area. US
Dept. Agric., Agric. Res. Serv. Conserv. Res. Rpt. No. 10. US
Govt. Print. Office, Washington DC.

- Massoud F.I. Physical properties of sandy soils in relation to cropping and
1975 soil conservation practices. pp. 47-72. In: Sandy Soils. FAO Soils
Bull. 25, FAO, Rome.
- Massoud F.I. Soil salinization under dry farming. pp. 392-401. In: Rainfed
1980 Agriculture in the Near East and North Africa. Proc. FAO Regional
Seminar, Amman, Jordan, May 1979. FAO, Rome.
- Mathers A.C., Stewart B.A. and Blair B. Nitrate-nitrogen removal from soil
1975b profiles by alfalfa. J. Environ. Qual. 4:403-405.
- Mathers A.C., Stewart B.A. and Thomas J.D. Residual and annual rate effects
1975a of manure on grain sorghum yields. pp. 252-254. In: Managing
Livestock Wastes, Proc. 3rd Int. Symp. on Livestock Wastes,
Urbana-Champaign, Illinois, April 1975.
- Mathers A.C., Wilson G.C., Schneider A.D. and Scott P. Sugarbeet response
1971 to deep tillage, nitrogen, and phosphorus on Pullman clay loam.
Agron. J. 63:474-477.
- Mazurak A.P. and Conard E.C. Rates of water entry in the three great soil
1959 groups after seven years in grasses. Agron. J. 51:264-267.
- Mazurak A.P., Cospser H.R. and Rhoades H.F. Rates of water entry into an
1955 irrigated Chestnut soil as affected by 39 years of
cropping and manurial practices. Agron. J. 47:490-493.
- Mazurak A.P., Kriz W. and Ramig R.E. Rates of water entry into a Chernozem
1960 soil as affected by age of perennial grass sods. Agron. J.
52:35-37.
- Mazurak A.P. and Ramig R.E. Aggregation and air-water permeabilities in a
1962 Chernozem soil cropped to perennial grasses and fallow-grain. Soil
Sci. 94:151-157.
- Mazurak A.P. and Ramig R.E. Residual effects of perennial grass sod on the
1963 physical properties of a Chernozem soil. Soil Sci. Soc. Am. Proc.
27:592-595.
- Mazurak A.P., Zingg A.W. and Chepil W.S. Effect of 39 years of cropping
1953 practices on wind erodibility and related properties of an
irrigated Chestnut soil. Soil Sci. Soc. Am. Proc. 17:181-185.
- McCall M.A. The soil mulch in the absorption and retention of moisture. J.
1925 Agric. Res. 30:819-831.
- McCalla T.M. and Army J.T. Stubble mulch farming. Adv. Agron. 12:125-196.
1961
- McDole R.E. and Vira S. Soil erosion control under dryland crop production.
1979 Univ. Idaho, Coll. of Agric., Current Info. Series No. 483. June
1979.
- McDole R.E. and Vira S. Restricted summer fallow for soil erosion control
1980 under dryland crop production. Univ. Idaho, Coll. of Agric.,
Current Info. Series No. 522. January 1980.
- McDowell L.L. and McGregor K.C. Nitrogen and phosphorus losses in runoff
1980 from no-till soybeans. Trans. Am. Soc. Agric. Eng. 23:643-648.
- McKibben G.E. and Oldham M.G. Double cropping soybeans in small grain
1973 stubble. Illinois Res. 15(3):10-11.

- McKibben G.E. and Pendleton J.W. Double cropping in Illinois. Illinois Res. 1968 pp. 6-7 (Summer 1968).
- McWhorter C.G. A recirculating spray system for postemergence weed control 1970 in row crops. Weed Sci. 18:285-287.
- Meyer L.D. and Mannering J.V. Minimum tillage for corn: Its effect on 1961 infiltration and erosion. Agric. Eng. 42:72-75, 86-87.
- Meyer L.D., Wischmeier W.H. and Foster G.R. Mulch rates required for ero- 1970 sion control on steep slopes. Soil Sci. Soc. Am. Proc. 34:928-931.
- Mickelson R.H. Level pan construction for diverting and spreading runoff. 1966 Trans. Am. Soc. Agric. Eng. 9:568-570.
- Mickelson R.H. Conservation bench terraces in eastern Colorado. Trans. Am. 1968 Soc. Agric. Eng. 11:389-392.
- Mickelson R.H., Cox M.R. and Musick J. Runoff water-spreading on leveled 1965 cropland. J. Soil Conserv. 20:57-60.
- Mohasci S.G. and Hinman H.R. Cost of alternative tillage systems in the 1981 winter wheat-dry pea area of the Palouse. Washington State Univ. Coop. Ext. Bull. 0943.
- Monnier J. Farm mechanization in Senegal and its effects on production and 1975 employment. pp. 215-250. In: Report on the Meeting of the FAO/OECD Expert Panel on the Effects of Farm Mechanization on Production and Employment. Rome, Italy. February 1975. FAO, Rome.
- Moody K. Weeds and shifting cultivation. pp. 155-166. In: Shifting Cultiva- 1974 tion and Soil Conservation in Africa. FAO Soils Bull. 24, FAO, Rome.
- Moomen S.E. and Barney C.W. A modern technique to halt desertification in 1981 the Libyan Jamahiriya. Agric. Meteor. 23:131-136.
- Mouttapa F. Some aspects in the practice of shifting cultivation in Africa 1974 and the need for a common approach to soil and land resources evaluation. pp. 37-47. In: Shifting Cultivation and Soil Conserva- tion in Africa. FAO Soils Bull. 24, FAO, Rome.
- Murfield D., Pratt W.L., Olson A.J., King B.J., Hayenga W.A. and Trimble R. 1981 L. Texas custom rates statistics. Compiled by Texas Crop and Livestock Reporting Serv. and Texas Agric. Ext. Serv.
- Musick G.J. and Beasley L.E. Effect of the crop residue management system 1978 on pest problems in field corn (*Zea mays* L.) production pp. 173-186. In: Crop Residue Management Systems. W.R.Oschwald(ed.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ. No. 31.
- Musick J.T. and Dusek D.A. Grain sorghum response to preplant and seasonal 1971 irrigation in relation to deep plowing on Pullman clay loam. Texas Agric. Exp. Stn. Prof. Rpt. PR-2952. p. 13-25.
- Musick J.T. and Dusek D.A. Deep tillage of graded-furrow-irrigated Pullman 1975 clay loam. Trans. Am. Soc. Agric. Eng. 18:263-269.
- Musick J.T. and Sletten W.H. Grain sorghum irrigation-water management on 1966 Richfield and Pullman soils. Trans. Am. Soc. Agric. Eng. 9:369-371, 373.

- Musick J.T., Wiese A.F. and Allen R.R. Management of bed-furrow irrigated soil with limited- and no-tillage systems. *Trans. Am. Soc. Agric. Eng.* 20:666-672. 1977
- Mutea J., Keya S.O. and Gurnah A.M. The effect of various types of mulches on soil moisture in a coffee field at Kabete, Kenya. pp. 129-144. In: *Organic Recycling in Africa*. FAO Soils Bull. 43, FAO, Rome. 1980
- ODA (Overseas Development Administration). Dryland farming research scheme (DLFRS) Botswana. Phase III, Incoming Review, March 1980. ODA, UK, Res. Proj. R3045. Ministry of Agric., Gaborone, Botswana. 1980
- ODA (Overseas Development Administration). Dryland farming research scheme (DLFRS) Botswana. Phase III, Third Annual Report, December 1982. ODA, UK, Res. Proj. R3045. Ministry of Agric., Gaborone, Botswana. 1982
- Oelsligle D.D., McCollum R.E. and Kang B.T. Soil fertility management in tropical multiple cropping. pp. 275-292. In: *Multiple Cropping*. R.I. Papendick, P.A. Sanchez and G.B. Triplett (eds.). *Am. Soc. Agron.*, Madison, Wisconsin, Spec. Publ. No. 27. 1976
- Ofori C.S. Shifting cultivation - reasons underlying its practice. pp. 14-20. In: *Shifting Cultivation and Soil Conservation in Africa*. FAO Soils Bull. 24, FAO, Rome. 1974
- Ofori C.S. The use of organic materials in increasing crop production in Africa. pp. 121-128. In: *Organic Recycling in Africa*. FAO Soils Bull. 43, FAO, Rome. 1980
- Okigbo B.N. A review of cropping systems in relation to residue management in the humid tropics of Asia. pp. 13-37. In: *Organic Recycling in Africa*. FAO Soils Bull. 43, FAO, Rome. 1980
- Okigbo B.N. and Greenland D.J. Intercropping systems in tropical Africa. pp. 63-101. In: *Multiple Cropping*. R.I. Papendick, P.A. Sanchez and G.B. Triplett (eds.). *Am. Soc. Agron.*, Madison, Wisconsin, Spec. Publ. No. 27. 1976
- Okigbo B.N. and Lal R. Role of cover crops in soil and water conservation. pp. 97-108. In: *Shifting Cultivation and Management in Developing Countries*. FAO Soils Bull. 33, FAO, Rome. 1977
- Oluwasanmi H.A. Effects of farm mechanization on production and employment in Nigeria. pp. 51-70. In: *Report on the Meeting of the FAO/OECD Expert Panel on the Effects of Farm Mechanization on Production and Employment*. Rome, Italy, February 1975. FAO, Rome. 1975
- Onstad C.A. Soil and water losses as affected by tillage practices. *Trans. Am. Soc. Agric. Eng.* 15:287-289. 1972
- Oswald W.R. Chisel plow and strip tillage systems. pp. 194-202. In: *Conservation Tillage, the Proc. of a Natl. Conf.*, Soil Conserv. Soc. Am. Ankeny, Iowa. 1973
- Osuji G.E., Babalola O., and Aboaba F.O. Rainfall erosivity and tillage practices affecting soil and water loss on a tropical soil in Nigeria. *J. Environ. Management* 10:207-217. 1980
- Oveson M.M. Conservation of soil nitrogen in a wheat summer fallow farming practice. *Agron. J.* 58:444-447. 1966
- Papendick R.I., Lindstrom M.J. and Cochran V.L. Soil mulch effects on seed-bed temperature and water during fallow in eastern Washington. *Soil Sci. Soc. Am. Proc.* 37:307-314. 1973

- Papendick R.I. and Miller D.E. Conservation tillage in the Pacific North-
1977 west. *J. Soil Water Conserv.* 32:49-56.
- Patrick W.H. Jr., Sloane L.W. and Phillips S.A. Response of cotton and corn
1959 to deep placement of fertilizer and deep tillage. *Soil Sci. Soc.
Am. Proc.* 23:307-310.
- Patterson B. Evaluation of direct drilling. *Farming Forum* 8(3):5-8.
1980
- Peele T.C., Beale O.W. and Lesesne F.F. Irrigation requirements of South
1948 Carolina soils. *Agric. Eng.* 29:157-158, 161.
- Phillips J.A. and Hendrix F. No-till production in North Carolina. pp. 3-4.
1981 In: *No-Till Crop Production Systems in North Carolina - Corn,
Soybeans, Sorghum, and Forages.* W.M. Lewis (Ch. Ed. Comm). North
Carolina Agric. Ext. Serv. AG-273.
- Phillips S.H. No-tillage, past and present. pp. 1-6. In: *No-Tillage
1980[?] Research: Research Reports and Reviews.* R.E. Phillips, G.W. Thomas
and R.L. Blevins (eds.). Univ. of Kentucky, Lexington, Kentucky.
- Phillips S.H. and Young H.M. Jr. *No-Tillage Farming.* Reiman Associates,
1973 Milwaukee, Wisconsin.
- Phillips W.M. The use of dalapon and 2,4-D for maintaining summer fallowed
1954 land in a weed free condition. pp. 44. In: *Res. Rpt., Eleventh
North Central Weed Control Conf.*
- Phillips W.M. Dryland sorghum production and weed control with minimum
1969 tillage. *Weed Sci.* 17:451-454.
- Phillips W.M., Unger P.W. and Greer H.A. Eco-fallow in the southern Great
1976 Plains. pp. 56-63. In: *Conservation Tillage, Proc. Great Plains
Workshop, Ft. Collins, Colorado, August 1976.* Great Plains Agric.
Council Publ. No. 77.
- Pierson C.L. Changes of farming systems in areas of shifting cultivation.
1974 pp. 117-120. In: *Shifting Cultivation and Soil Conservation in
Africa.* FAO Soils Bull. 24, FAO, Rome.
- Pinchinat A.M., Soria J. and Bazam R. Multiple cropping in tropical
1976 America. pp. 51-61. In: *Multiple Cropping.* R.I. Papendick, P.A.
Sanchez and G.B. Triplett (eds.). *Am. Soc. Agron., Madison,
Wisconsin, Spec. Publ. No. 27.*
- Plaisance G. and Cailleux A. *Dictionary of Soils.* Amerind Publ. Co., New
1981 Delhi. (Translated from French).
- Poulain J-F. Crop residues in traditional cropping systems of West Africa -
1980 Effect on the mineral balance and level of organic matter in soils
- Proposals for their better management. pp. 38-71. In: *Organic
Recycling in Africa.* FAO Soils Bull. 43, FAO, Rome.
- Prihar S.S., Sandhu K.S. and Khera K.L. Maize (*Zea mays* L.) and weed growth
1975 as affected by levels of straw mulching with and without herbicide
under conventional and minimum tillage. *Indian J. Ecol.*
2(1):13-22.
- Prihar S.S., Singh R., Singh N. and Sandhu K.S. Effects of mulching
1979 previous crops or fallow on dryland maize or wheat. *Expl. Agric.*
15:129-134.

- Promersberger W.J. and Pratt G.L. Power requirements of tillage implements.
1958 North Dakota Agric. Eng. Stn. Tech. Bull. 415.
- Radke J.K. Managing early season soil temperatures in the Northern Corn
1982 Belt using configured soil surfaces and mulches. Soil Sci. Soc.
Am. J. 46:1067-1071.
- Radke J.K. and Hagstrom R.T. Strip intercropping for wind protection. pp.
1976 201-222. In: Multiple Cropping. R.I. Papendick, P.A. Sanchez and
G.B. Triplett (eds.). Am. Soc. Agron., Madison, Wisconsin, Spec.
Publ. No. 27.
- Rae G.A. Cultivation implements in the Victorian Mallee. Soil Conserv.
n.d. Authority, Victoria, Australia. (Mimeo. Rpt.).
- Rai R.N. and Yadav Y.S. Effect of tillage practices on yield of rainfed
1979 wheat in Doon Valley. Indian J. Agron. 24:72-77.
- Ramig R.E. and Mazurak A.P. Wheat stubble management: I. Influence on some
1964 physical properties of a Chernozem soil. Soil Sci. Soc. Am. Proc.
28:554-557.
- Rasmussen W.W., Lewis G.C. and Fosberg M.A. Improvement of the Chilcott-
1964 Sebree slick spot soils in Southwestern Idaho. US Dept. Agric.,
Agric. Res. Serv. 41-91.
- Rauschkolb R.S. Land degradation. Soils Bull. 13, FAO, Rome.
1971
- Reicosky D.C., Cassel D.K., Blevins R.L., Gill W.R. and Naderman G.C. Con-
1977 servation tillage in the Southeast. J. Soil Water Conserv.
32:13-19.
- Richards L.A. (ed.). Diagnosis and improvement of saline and alkali soils.
1954 US Dept. Agric. Handbook 60. US Govt. Print. Office, Washington
DC.
- Richardson C.W. Runoff, erosion, and tillage efficiency on graded-furrow
1973 and terraced watersheds. J. Soil Water Conserv. 28:162-164.
- Richardson C.W., Baird R.W. and Fryrear D.W. Graded furrows for water ero-
1969 sion control. J. Soil Water Conserv. 24:60-63.
- Richey C.B., Griffith D.R. and Parsons S.D. Yields and cultural energy
1977 requirements for corn and soybeans with various tillage-planting
systems. Adv. Agron. 29:141-182.
- Robertson L.S. and Mokma D.L. Crop residue and tillage considerations in
1978 energy conservation. Michigan State Univ. Coop. Ext. Serv. Bull.
E-1123.
- Rockwood W.G. and Lal R. Mulch tillage: A technique for soil and water con-
1974 servation in the tropics. Span 17:77-79.
- Russel J.C. The effect of surface cover on soil moisture losses by evapora-
1939 tion. Soil Sci. Soc. Am. Proc. 4:65-70.
- Ruthenberg H. Agricultural aspects of shifting cultivation. pp. 99-111. In:
1974 Shifting Cultivation and Soil Conservation in Africa. FAO Soils
Bull. 24, FAO, Rome.
- S-189 Technical Committee. Behavior of specific herbicides in plants and
1972 soils. Southern Coop. Series Bull. No. 167.

- Sachan S.S. Effect of mulching and fertilization on growth and yield of
1976 wheat. Indian J. Agron. 21:484-486.
- Sanchez P.A. Advances in the management of Oxisols and Ultisols in tropical
1977 South America. pp. 535-566. In: Proc. Int. Seminar on Soil
Environment and Fertility Management in Intensive Agriculture,
Tokyo, Japan.
- Sandoval F.M. Deep plowing improved sodic claypan soils. North Dakota
1978 Agric. Stn. Rpt. No. 919 [from March-April 1978 Farm Research
35(4):15-18].
- Sandoval F.M., Bond J.J. and Reichman G.A. Deep plowing and chemical amend-
1972 ment effect on a sodic claypan soil. Trans. Am. Soc. Agric. Eng.
15:681-684, 687.
- Sanford J.O., Myhre D.L. and Merwine N.C. Double cropping systems involving
1973 no-tillage and conventional tillage. Agron. J. 65:978-982.
- Sanford J.O., Myhre D.L. and Merwine N.C. Double cropping: Aerial seeding
1974 of wheat before soybean harvest. Mississippi Agric. and For. Exp.
Stn. Info. Sheet No. 1256 [Res. Highlights 37(10)].
- Sant'Anna R. Chinese experience with green manuring and recycling of city
1980 garbage and its applicability to Africa. pp. 279-281. In: Organic
Recycling in Africa. FAO Soils Bull. 43, FAO, Rome.
- Saveson I.L., Lund Z.F. and Sloane L.W. Deep-tillage investigations of
1961 compacted soil in the cotton area of Louisiana. US Dept. Agric.,
Agric. Res. Serv. 41-41.
- Saveson I.L. and Lund Z.F. Deep tillage improves Delta "hot spot" areas.
1958 Crops and Soils 10(5):15.
- Scherp L.A. Some conservation tillage benefits. pp. (not numbered). In:
1979 Proc. 1979 Conservation Tillage Technical Seminar, Christchurch,
New Zealand. Sponsored by Monsanto Agric. Prod. Co., New Zealand.
- Schieferstein R.H. Innovative fallow systems for dryland wheat. Weeds
1980 Today 11(1):11-12.
- Schnitzer M. and Khan S.U. Soil Organic Matter. Elsevier Scientific Publ.,
1978 Amsterdam, Oxford, New York. 319 p.
- Schultz T.W. Agricultural modernization altering world food and feed grain
1970 competition. pp. 220-248. In: Proc. Int. Conf. on Mechanized
Dryland Farming. W.C. Burrows, R.E. Reynolds, F.C. Stickler and
G.E. Van Riper (eds.). Moline, Illinois, August 1969.
- SCSA (Soil Conservation Society of America). Resource Conservation
1982 Glossary. Soil Conserv. Soc. Am., Ankeny, Iowa.
- Seitz B. Huri Hills reforestation project. A National Christian Council of
1977 Kenya Report, March 1977, Nairobi, Kenya.
- Seubert C.E., Sanchez P.A. and Valverde C. Effects of land clearing methods
1977 on soil properties of an Ultisol and crop performance in the
Amazon jungle of Peru. Trop. Agric. (Trinidad) 54:307-321.
- Shaalán M.I., Chaudhry M.S. and Sorour F.A. The effect of tillage and plant-
1977 ing methods on growth, weed population, and yield in semi-dwarf
wheat (*Triticum aestivum* L.). Libyan J. Agric. 6(part 1):55-67.

- Shanan L., Tadmor N.H., Evenari M. and Reiniger P. Runoff farming in the 1970 desert. III. Microcatchments for improvement of desert range. *Agron. J.* 62:445-449.
- Shaw F.C. When the soil mulch conserves moisture. *J. Am. Soc. Agron.* 21:1029 1165-1171.
- Shear G.M. Introduction and history of limited tillage. In: *Weed Control in Limited Tillage Systems*. A.F. Wiese (ed.). *Weed Sci. Soc. Am.*, Urbana, Illinois, Monograph (in press).
- Shipley J.L. and Wiese A.F. Economics of weed control in sorghum and wheat. 1969 *Texas Agric. Exp. Stn. Misc. Publ.* MP-909.
- Siddoway F.H. Effects of cropping and tillage methods on dry aggregate soil 1963 structure. *Soil Sci. Soc. Am. Proc.* 27:452-454.
- Siddoway F.H. Barriers for wind erosion control and water conservation. *J.* 1970 *Soil Water Conserv.* 25:180-184.
- Siddoway F.H. and Barnett A.P. Water and wind erosion control aspects of 1976 multiple cropping. pp. 317-335. In: *Multiple Cropping*. R.I. Papendick, P.A. Sanchez and G.B. Triplett (eds.). *Am. Soc. Agron.*, Madison, Wisconsin, Spec. Publ. No. 27.
- Siemens J.C. and Burrows W.C. Machinery selection for residue management 1978 systems. pp. 231-243. In: *Crop Residue Management Systems*. W.R. Oswald (ed.). *Am. Soc. Agron.*, Madison, Wisconsin, Spec. Publ. No. 31.
- Singh A. and Balasubramanian V. Organic recycling in Asian agriculture. pp. 1980 235-278. In: *Organic Recycling in Africa*. FAO Soils Bull. 43, FAO, Rome.
- Singh G. The role of soil and water conservation practices in raising crop 1974 yields in dry farming areas of tropical India. FAO UNDP International Expert Consultation on the Use of Improved Technology for Food Production in Rainfed Areas of Tropical Asia. FAO, Rome, Mimeo. Rpt. 22 p.
- Singh T.A., Thomas G.W., Moschler W.W. and Martens D.C. Phosphorus uptake 1966 by corn (*Zea mays* L.) under no-tillage and conventional practices. *Agron. J.* 58:147-148.
- Skidmore E.L. and Siddoway F.H. Crop residue requirements to control wind 1978 erosion. pp. 17-33. In: *Crop Residue Management Systems*. W.R. Oswald (ed.). *Am. Soc. Agron.*, Madison, Wisconsin, Spec. Publ. No. 31.
- Smika D.E. Mechanical tillage for conservation fallow in the semiarid 1976 Central Great Plains. pp. 78-91. In: *Conservation Tillage*, Proc. Great Plains Workshop, Ft. Collins, Colorado, August 1976. Great Plains Agric. Council Publ. No. 77.
- Smika D.E. and Wicks G.A. Soil water storage during fallow in the Central 1968 Great Plains as influenced by tillage and herbicide treatments. *Soil Sci. Soc. Am. Proc.* 32:591-595.
- Smith E.M. Machinery and power requirements. pp. 84-95. In: *No-Tillage 1980[?] Research: Research Reports and Reviews*. R.E. Phillips, G.W. Thomas and R.L. Blevins (eds.). Univ. of Kentucky, Lexington, Kentucky.

- Soil Conservation Service. National Handbook of Conservation Practices. US
1977 Dept. Agric., Soil Conserv. Serv. US Govt. Print. Office,
Washington DC.
- Sood M.C. and Chaudhary T.N. Soil erosion and runoff from a sandy loam soil
1980 in relation to initial clod size, tillage-time moisture and
residue mulching under simulated rainfall. J. Indian Soc. Soil
Sci. 28:24-27.
- Sprague M.A. Agronomy. pp. 27-29. In: The Encyclopedia of Soil Science,
1979 Part I, Physics, Chemistry, Biology, Fertility and Technology.
R.W. Fairbridge and C.W. Finkl Jr. (eds.). Dowden, Hutchinson &
Ross, Stroudsburg, Pennsylvania.
- SSSA (Soil Science Society of America). Glossary of Soil Science Terms.
1973 Soil Sci. Soc. Am., Madison, Wisconsin.
- Stallings J.H. Soil Conservation. Prentice-Hall, Englewood Cliffs, New
1957 Jersey.
- Stewart B.A., Dusek D.A. and Musick J.T. A management system for the con-
1981 junctive use of rainfall and limited irrigation of graded furrows.
Soil Sci. Soc. Am. J. 45:413-419.
- Stewart B.A., Woolhiser D.A., Wischmeier W.H., Caro J.H. and Frere M.H.
1975 Control of water pollution from cropland. Vol. I. A manual for
guideline development. US Dept. Agric. Rpt. No. ARS-H-5-1. US
Govt. Print. Office, Washington DC.
- Stoinev K. and Onchev N. Basic soil cultivation on sloping land. Raste-
1980 nievedni Nauki 17:72-82. (English summary).
- Szabolcs I. Current and potential salinity of soils. pp. 10-11. In: Assess-
1977 ing Soil Degradation. FAO Soils Bull. 34, FAO, Rome.
- Tadmore N.H., Evenari M. and Shanan L. Runoff farming in the desert. IV.
1970 Survival and yields of perennial range plants. Agron. J.
62:695-699.
- Taylor D., Young D. and McCool D. Physical-economic evaluation of tillage
1980 systems. pp. 985-997. In: Proc. Symp. Watershed Management '80
,
ASCE. Boise, Idaho, July 1980.
- Taylor H.M., Parker J.J. Jr. and Robertson G.M. Soil strength and seedling
1966 emergence relations. II. A generalized relation for gramineae.
Agron. J. 58:393-395.
- Taylor H.M., Van Doren C.E., Godfrey C. and Coover J.R. Soils of the South-
1963 western Great Plains Field Station. Texas Agric. Exp. Stn. Misc.
Publ. MP-669.
- Taylor R.E., Hays O.E., Bay C.E. and Dixon R.M. Corn stover mulch for con-
1964 trol of runoff and erosion on land planted to corn after corn.
Soil Sci. Soc. Am. Proc. 28:123-125.
- Taylor W.A., Merrett C.R. and Drinkwater J.A. An experimental tractor
1976 mounted, very low volume uniform-dropsizer sprayer. Weed Res,
16:203-208.
- Thomas G.W. Managing minimum tillage fields, fertility and soil type. In:
Weed Control in Limited Tillage Systems. A.F. Wiese (ed.). Weed
Sci. Soc. Am., Urbana, Illinois, Monograph (in press).

- Thomas G.W., Wells K.L. and Murdock L. Fertilization and liming. pp. 43-54. 1980[?] In: No-Tillage Research: Research Reports and Reviews. R.E. Phillips, G.W. Thomas and R.L. Blevins (eds.). Univ. of Kentucky, Lexington, Kentucky.
- Tisdale S.L. and Nelson W.L. Soil Fertility and Fertilizers. MacMillan, 1956 New York, 430 p.
- Triplett G.B. Jr., Conner B.J. and Edwards W.M. Transport of atrazine and 1978 and simazine in runoff from conventional and no-tillage corn. J. Environ. Qual. 7:77-84.
- Triplett G.B. Jr. and Van Doren D.M. Jr. Nitrogen, phosphorus and potassium 1969 fertilization of non-tilled maize. Agron. J. 61:637-639.
- Triplett G.B. Jr. and Van Doren D.M. Jr. Agriculture without tillage. Sci. 1977 Am. 236(1):28-33.
- Triplett G.B. Jr. and Van Doren D.M. and Johnson W.H. Response of tillage 1970 systems as influenced by soil type. Trans. Am. Soc. Agric. Eng. 13:765-767.
- Unger P.W. Soil organic matter and nitrogen changes during 24 years of dry- 1968 land wheat tillage and cropping practices. Soil Sci. Soc. Am. Proc. 32:427-429.
- Unger P.W. Physical properties of Pullman silty clay loam as affected by 1969 dryland wheat management practices. Texas Agric. Exp. Stn. Misc. Publ. MP-933.
- Unger P.W. Soil profile gravel layers: I. Effect on water storage, distri- 1971a bution, and evaporation. Soil Sci. Soc. Am. Proc. 35:631-634.
- Unger P.W. Soil profile gravel layers: II. Effect on growth and water use 1971b by a hybrid forage sorghum. Soil Sci. Soc. Am. Proc. 35:980-983.
- Unger P.W. Dryland winter wheat and grain sorghum cropping systems - 1972 Northern High Plains of Texas. Texas Agric. Exp. Stn. Bull. B-1126.
- Unger P.W. Relationships between water retention, texture, density and 1975a organic matter content of west and south central Texas soils. Texas Agric. Exp. Stn. Misc. Publ. MP-1192C.
- Unger P.W. Role of mulches in dryland agriculture. pp. 237-258. In: Physio- 1975b logical Aspects of Dryland Farming. Oxford & IBH Publishing Co., New Delhi.
- Unger P.W. Surface residue, water application, and soil texture effects on 1976 water accumulation. Soil Sci. Soc. Am. J. 40:298-300.
- Unger P.W. Tillage effects on winter wheat production where the irrigated 1977 and dryland crops are alternated. Agron. J. 69:944-950.
- Unger P.W. Straw-mulch rate effect on soil water storage and sorghum 1978a yield. Soil Sci. Soc. Am. J. 42:486-491.
- Unger P.W. Straw-mulch effects on soil temperatures and sorghum germination 1978b and growth. Agron. J. 70:858-864.
- Unger P.W. Effect of irrigation frequency and timing on sunflower growth 1978c and yield. pp. 117-129. In: Proc. Sth Int. Sunflower Conf., Minneapolis, Minnesota, July 1978.

- Unger P.W. Effects of deep tillage and profile modification on soil proper-
1979 ties, root growth, and crop yields in the United States and
Canada. *Geoderma* 22:275-295.
- Unger P.W. Management of crops on clay soils in the tropics. *Trop. Agric.*
1982a (Trinidad) 59:110-122.
- Unger P.W. Surface soil physical properties after 36 years of cropping to
1982b winter wheat. *Soil Sci. Soc. Am. J.* 46:796-801.
- Unger P.W. Water conservation for dryland crop production. pp. F1-F9. In:
1982c *Managing Farm Resources. Proc. Crop Prod. and Utiliz. Symp.*,
Amarillo, Texas, February 1982.
- Unger P.W. Time and frequency of irrigation effects on sunflower production
1982d and water use. *Soil Sci. Soc. Am. J.* 46:1072-1076.
- Unger P.W., Allen R.R. and Parker Jessie J. Cultural practices for irri-
1973 gated winter wheat production. *Soil Sci. Soc. Am. Proc.*
37:437-442.
- Unger P.W., Allen R.R. and Wiese A.F. Tillage and herbicides for surface
1971 residue maintenance, weed control, and water conservation. *J. Soil*
Water Conserv. 26:147-150.
- Unger P.W. and Box J. Technical problems associated with minimum tillage.
1972 *Coop. Conserv. Workshop, College Station, Texas, July 1972.*
(Mimeo. Rpt.).
- Unger P.W., Eck H.V. and Musick J.T. Alleviating plant water stress. pp.
1981 59-96. In: *Modifying the Root Environment to Reduce Crop Stress.*
G.F. Arkin and H.M. Taylor (eds.). *Am. Soc. Agric. Eng., St.*
Joseph, Michigan, Monograph No. 4.
- Unger P.W., Gerard C.J. and Wendt C.W. Soil-plant-water relationships in
1980 conservation tillage systems. pp. 18-30. In: *Conservation Tillage*
in Texas. B.L. Harris and A.E. Coburn (eds.) . Texas Agric.
Ext. Serv. Bull. B-1290.
- Unger P.W. and McCalla T.M. Conservation tillage systems. *Adv. Agron.* 33:1-
1980 58.
- Unger P.W. and Parker J.J. Jr. Residue placement effects on decomposition,
1968 evaporation, and soil moisture distribution. *Agron. J.* 60:469-472.
- Unger P.W. and Parker J.J. Evaporation reduction from soil with wheat
1976 sorghum, and cotton residues. *Soil Sci. Soc. Am. J.* 40:938-942.
- Unger P.W. and Phillips R.E. Soil water evaporation and storage. pp. 42-54.
1973 In: *Conservation Tillage, the Proc. of a Natl. Conf., Soil*
Conserv. Soc. Am., Ankeny, Iowa.
- Unger P.W. and Stewart B.A. Land preparation and seedling establishment
1976 practices in multiple cropping systems. pp. 255-273. In: *Multiple*
Cropping. R.I. Papendick, P.A. Sanchez and G.B. Triplett (eds.).
Am. Soc. Agron., Madison, Wisconsin, Spec. Publ. No. 27,
- Unger P.W. and Stewart B.A. Soil management for efficient water use. pp,
1983 419-460. In: *Limitations to Efficient Water Use in Crop Produc-*
tion. H.M. Taylor, W.R. Jordan and T.R. Sinclair (eds.). Am. Soc.
Agron., Madison, Wisconsin.

- Unger P.W. and Wiese A.F. Managing irrigated winter wheat residues for
1979 water storage and subsequent dryland grain sorghum production.
Soil Sci. Soc. Am. J. 43:582-588.
- van Bavel C.H.M. and Schaller F.W. Soil aggregation, organic matter, and
1951 yields in a long-time experiment as affected by crop management.
Soil Sci. Soc. Am. Proc. 15:399-404.
- Van Doren D.M. Jr. and Allmaras R.R. Effect of residue management practices
1978 on the soil physical environment, microclimate, and plant growth.
pp. 49-83. In: Crop Residue Management Systems. W.R. Oschwald
(ed.). Am. Soc. Agron., Madison, Wisconsin, Spec. Publ. No. 31.
- Van Doren D.M. Jr., Triplett G.B. Jr. and Henry J.E. Influence of long-term
1976 tillage, crop rotation, and soil type combinations on corn yield.
Soil Sci. Soc. Am. J. 40:100-105.
- Van Doren D.M. Jr., Triplett G.B. Jr. and Henry J.E. Influence of long-term
1977 tillage and crop rotation combinations on crop yields and selected
soil parameters for an Aeric Ochraqualf soil. Ohio Agric. Res. and
Devel. Center Res. Bull. 1091.
- van Schilfgaarde J. (ed.). Drainage for Agriculture. Agronomy 17, 700 pp.
1974 Am. Soc. Agron., Madison, Wisconsin.
- Van Wijk W.R., Larson W.E. and Burrows W.C. Soil temperature and the early
1959 growth of corn from mulched and unmulched soil. Soil Sci. Soc. Am.
Proc. 23:428-434.
- Verma H.N., Singh R., Prihar S.S. and Chaudhary T.N. Runoff as affected by
1979 rainfall characteristics and management practices on gently
sloping sandy loam. J. Indian Soc. Soil Sci. 27:18-22.
- Viator H.P. and Marshall J.G. No-till grain sorghum production following
1981 wheat. Louisiana Agric. 25(1):16-17.
- Voelkner H. Urgently needed: An ideal green mulch crop for the tropics.
1979 World Crops 31(2):76-78.
- Voss C. Different forms and levels of farm mechanization and their effect
1975 on production and employment. pp. 19-33. In: Report on the Meeting
of the FAO/OECD Expert Panel on the Effects of Farm Mechanization
on Production and Employment. Rome, Italy, February 1975. FAO,
Rome.
- Wendt C.W. Effects of a minimum tillage-vertical mulch concept on soil
1973a moisture and yield of grain sorghum at Lubbock, Texas, 1970-71.
Texas Agric. Exp. Stn. Prog. Rpt. PR-3152.
- Wendt C.W. Applying degradable plastic to cotton, onions, and carrots in
1973b the High Plains, 1971. Texas Agric. Exp. Stn. Prog. Rpt. PR-3170,
p. 5-9.
- Wendt C.W. Influence of plastics on soil moisture, soil temperature and
1973c yield of sweet corn at Lubbock, Texas, 1969. Texas Agric. Exp.
Stn. Prog. Rpt. PR-3151.
- Wendt C.W. and Runkles J.R. Influence of soil mulches on the environment,
1969 vegetative development and certain fiber properties of cotton. pp.
96-99. In: Proc. 23rd Cotton Defoliation and Physiology Conf., New
Orleans, Louisiana, January 1969.

- White J.W., Holden F.J. and Richer A.C. Maintenance level of nitrogen and
1945 organic matter in grassland and cultivated soils over periods of
54 and 72 years. J. Am. Soc. Agron. 37:21-31.
- Wicks G.A. and Smika D.E. Chemical fallow in a winter wheat-fallow rota-
1973 tion. J. Weed Sci. Soc. Am. 21:97-102.
- Wiese A.F. Effect of tansy mustard (*Descurainia intermedia*) on moisture
1960 storage during fallow. Weeds 8:683-685.
- Wiese A.F. Herbicide application. Chap. I. In: Research Methods in Weed
Science (3rd Ed.). B. Truelove (ed.). Southern Weed Sci. Soc.,
Auburn Print., Inc., Auburn, Alabama. (In press).
- Wiese A.F. and Army T.J. Effect of tillage and chemical weed control prac-
1958 tices on soil moisture storage and losses. Agron. J. 50:465-468.
- Wiese A.F. and Army T.J. Effect of chemical fallow on soil moisture
1960 storage. Agron. J. 52:612-613.
- Wiese A.F., Bond J.J. and Army T.J. Chemical fallow in dryland cropping
1960 sequences. Weeds 8:284-290.
- Wiese A.F. and Lavake D.E. Experiences with a rope wick applicator. Proc.
1980 Southern Weed Sci. Soc. 33:353-355.
- Wiese A.F. and Staniforth D.W. Weed control in conservation tillage. pp.
1973 108-114. In: Conservation Tillage, the Proc. of the Natl. Conf.,
Soil Conserv. Soc. Am., Ankeny, Iowa.
- Wijewardene R. Techniques and tools, conservation farming for small farmers
n.d. in the humid tropics. IITA - Sri-Lanka Program, Colombo,
Sri-Lanka.
- Wild A. Crop responses to fertilizers: Limitations imposed by soil proper-
1974 ties. pp. 167-178. In: Shifting Cultivation and Soil Conservation
in Africa. FAO Soils Bull. 24, FAO, Rome.
- Williams C.N. and Joseph K.T. Climate, Soil and Crop Production in the
1970 Humid Tropics. Oxford University Press, Kuala Lumpur. 177 pp.
- Willis W.O. Effect of partial surface covers on evaporation from soil. Soil
1962 Sci. Soc. Proc. 26:598-601.
- Willis W.O., Haas H.J. and Robins J.S. Moisture conservation by surface or
1963 subsurface barriers and soil configuration under semi-arid
conditions. Soil Sci. Soc. Am. Proc. 27:577-580.
- Willis W.O., Larson W.E. and Kirkham D. Corn growth as affected by soil
1957 temperature and mulch. Agron. J. 49:323-328.
- Wilsie C.P. Crop Adaptation and Distribution. Freeman and Company, San
1962 Francisco and London.
- Wilson H.A. and Browning G.M. Soil aggregation, yields, runoff, and erosion
1946 as affected by cropping systems. Soil Sci. Soc. Am. Proc.
10:51-57.
- Wischmeier W.H. Conservation tillage to control water erosion. pp. 133-141.
1973 In: Conservation Tillage, the Proc. of a Natl. Conf., Soil
Conserv. Soc. Am., Ankeny, Iowa.

- Wischmeier W.H. and Smith D.D. Predicting rainfall-erosion losses from
1965 cropland east of the Rocky Mountains. US Dept. Agric. Handbook No.
282. US Govt. Print. Office, Washington DC.
- Wischmeier W.H. and Smith D.D. Predicting rainfall erosion losses - A guide
1978 to conservation planning. US Dept. Agric., Sci. and Educ Admin.,
Agric. Handbook No. 537. US Govt. Print. Office, Washington DC.
- Witt W.W. Weed control in no-tillage. pp. 96-102. In: No-Tillage Research:
1980[?] Research Reports and Reviews. R.E. Phillips, G.W. Thomas and R.L.
Blevins (eds.). Univ. of Kentucky, Lexington, Kentucky.
- Wittmuss H.D. Recent advances in minimum tillage for row crops and small
1968 grains. pp. 61-67b. In: Conservation Tillage in the Great Plains.
Proc. of a Workshop, Lincoln, Nebraska, February 1968. Great
Plains Agric. Council Publ. No. 32.
- Woodruff N.P. Wind erosion as affected by reduced tillage systems. pp.
1972 5-20. In: Proc. No-Tillage Systems Symp., Columbus, Ohio, February
1972. Ohio State Univ., Columbus, Ohio.
- Woodruff N.P., Fenster C.R., Chepil W.S. and Siddoway F.H. Performance of
1965 tillage implements in a stubble mulch system. II. Effects on soil
cloddiness. Agron. J. 57:49-51.
- Woodruff N.P. and Siddoway F.H. A wind erosion equation. Soil Sci. Soc. Am.
1965 Proc. 29:602-608.
- Woodruff N.P. and Siddoway F.H. Wind erosion control. pp. 156-162. In: Con-
1973 servation Tillage, the Proc. of a Natl. Conf., Soil Conserv. Soc.
Am., Ankeny, Iowa.
- World Atlas. Medallion World Atlas. Hammond, Maplewood, New Jersey.
1978
- Wright Bill C. Dryland agricultural cropping systems in low winter rainfall
1977 regions. pp. 246-263, 299. In: Proc. Int. Symp. on Rainfed Agric.
in Semi-Arid Regions. G.H. Cannell (ed.). Riverside, California,
April 1977.
- Zayed M.N. Results of experiments on legume inoculation and nitrogen fixa-
1980 tion in Zambia. pp. 201-210. In: Organic Recycling in Africa. EAO
Soils Bull 43, FAO, Rome.
- Zingg A.W. and Hauser V.L. Terrace benching to save potential runoff for
1959 semiarid land. Agron. J. 51:289-292.
- Zingg A.W. and Whitfield C.J. A summary of research experience with
1957 stubble-mulch farming in the Western States. US Dept. Agric. Tech.
Bull. 1166. US Govt. Print. Office, Washington DC.
- Zschernitz K. Fertilizers in the improvement of shifting agriculture. pp.
1974 103-216. In: Shifting Cultivation and Soil Conservation in Africa.
FAO Soils Bull. 24, FAO, Rome.