

III. RECENT MAIZE PUBLICATIONS

- Abella, R. and Bosch, C. Consideraciones sobre el maiz. Uruguay Min. de Ganad. y Agr. B. Inform. 387 (Sup.):22-23; 388:10. 1951.
- Aboul-Ela, M. M. Physiological changes and freezing injury in maturing maize. Iowa State Coll. Jour. Sci. 26:155. 1952. (Also in Plant Physiol. 27:778. 1952.)
- Alabouvette Organisation de la production de semences de mais. Cong. Intern. du mais. Mais Rap. 2:91-120. 1949. (Pub. 1950)
- Alava, R. O. Spikelet variation in Zea mays L. Ann. Mo. Bot. Gard. 39:65-96. 1952.
- Alexander, D. E. Relation of environment and position of ear to kernel row number in corn. Agron. Jour. 44:430-433. 1952.
- Amono, Y. Polyploid cells in maize induced by a pathogenic fungus. Jap. J. Genet. 21:46-47. 1946. (In Japanese)
- Anderson, Edgar. The sacred plume (a description of the maize tassel). Pioneer Hybrid Corn Co. Des Moines 9, Iowa 1951.
- ____ and Brown, W. L. The history of the common maize varieties of the United States corn belt. Agr. Hist. 26:2-8. 1952.
- ____ and _____. Origin of corn belt maize and its genetic significance. State Coll. of Agr. and Mech. Art, Ames, Iowa. 1952.
- Anderson, E. G. A chromosomal technique used in biochemical studies on the developing endosperm of maize. Agron. Jour. 44:560-561. 1952.
- Anderson, L. D. and Gunther, F. A. Sampling techniques for determination of DDT residue on sweet corn. Jour. Econ. Ent. 44(6):1008-1010. 1951.
- Anderson, R. E. and Brink, R. A. Kernel pattern in variegated pericarp maize and the frequency of self-colored offspring. Am. Jour. Bot. 39(9):637-644. 1952.
- Andres, J. M. Una nueva mutacion que gobierna la sintesis de la licopina y carotinas en el maiz. Rev. Argentina de Agron. 18:136-142. 1951.
- _____. La genetica en la agricultura bases de los metodos modernos del mejoramiento del maiz. Cien. and Invest. 8:3-11. 1952.
- Andrew, R. H. Duration of silk receptiveness in sweet corn inbreds. Agron. Jour. 44:387-388. 1952.
- _____. Volume changes and germination of sweet corn kernels at different temperature sequences. Agron. Jour. 44:473-476. 1952.
- Arellano, Bonilla R. El maiz amarillo dorado de tiquisate. Chacra 22(254):10-11. 1952.
- Barege, P. Le mais dans le monde et au maroc. Petit Casblancais 31 (1528):1,4. 1951.
- Barton, D. W. and Shelldrake, R. Jr. Corn for canning -- the best yet to come? Farm Res. (N.Y. State Agr. Exp. Sta.) 18:8-9. 1952.
- Bauman, L. F. Progress report on genetic control of male sterility. Amer. Seed Trade Assoc., Hybrid Corn Indus. Res. Conf. Proc. 6:13-18. 1951.
- Beard, R. L. Susceptibility of maize to the corn leaf aphid. Jour. Econ. Ent. 44:1024-1025. 1951.

Beck, E. W. Estimates of damage by the European corn borer (*Pyrausta nubilalis*) to grain corn in the U.S. in 1951. U.S. Bur. Ent. and Plant Quar. Coop. Econ. Insect Rpt. Spec. Rpt. 1(5):20 1952.

Beevers, H. Malonic acid as an inhibitor of maize root respiration. Plant Physiol. 27:725-735. 1952.

Beneda, J. A. A contribution to the study of infection of some corn varieties with *Helminthosporium turcicum* Pass. (In Czech.) Askoslov. Akad. Zemedel. Sborn. 24:288-300. 1951.

Bill, F. W. and Wennblom, R. D. A new way to grow corn? Farm Jour. 76(2):32-33. 1952.

Bliss, M. E. Hybrids resistant to corn leaf blight can be developed. Crops and Soils 4:25. 1952.

Bocanegra Salazar, S. Comparativo de hibridos y variedades de maiz en la Costa Central del Peru. Agronomia (Lima) 17(70):12-75. 1952.

Boceta, Duran V. Selection work in maize. Genet. Iber. 2:331-337. 1950.

Bourriquet, G. Les maladies du mais a Madagascar. Cong. Intern. du mais. Rap. 2:375-378. 1949 (pub. 1950).

Brieger, F. G. Origin and domestication of maize. Lilloa 20:37-44. 1949. (In Portuguese).

Brink, R. A., and Nilan, R. A. The genetic basis of light variegated pericarp in maize. Genetics 37:569. 1952 (Abstract)

_____ and _____. The relation between light variegated and medium variegated pericarp in maize. Genetics 37(5):519-544. 1952.

Britikov, E. A. Effect of pollination on metabolism in the corn pistil. Akad. Nauk. S.S.R. Dok. 78:1037-1040. 1951. (In Russian)

Brown, W. L. et al. Observations on three varieties of Hopi maize. Amer. Jour. Bot. 39:597-609. 1952.

Browne, Edmund B. A study of yield and combining ability in once-selfed progeny of selected open-pollinated corn plants. Ohio State Univ. Doctoral Diss. Absts. 56:23-28. 1947-48 (1949)

Buchinger, A. New ways of maize breeding. Jb. Hochsch. Bodenkult. Wien 2:39-46. 1948.

Buelens, H. La culture de mais en Belgique. Agriculteur 56(6):3-4. 1952.

Bunting, E. S. and Blackman, G. E. Assessment of the factors controlling the productivity of maize in England. Jour. Agr. Sci. 41:271-281. 1951.

Cannon, John A. at al. Chemical composition of the mature corn kernel. Cereal Chem. 10(1):74-97. 1952.

Capinpin, J. M. and Cruz, R. F. Effects of inbreeding Lagkit corn. Philipp. Agr. 34:10-15. 1950.

Chase, S. S. Monoploids in maize. Heterosis p. 389-399. Iowa State Coll. Press, Ames, Iowa. 1952.

_____. Production of homozygous diploids of maize from monoploids. Agron. Jour. 44(5):263-267. 1952.

_____. Selection for parthenogenesis and monoploid fertility in maize. Genetics 37:573. 1952 (Abstract)

Ciferri, R. Abnormalities in corn plants caused by 2,4-D treatments. Notiz. Malattie Plante 14:4-7. 1951.

Coon, B. F. Japanese beetle damage in field corn. Prog. Rep. Pa. Agr. Exp. Sta. No. 55:pp. 7. 1951.

Costa-Rodrigues, L. Comparative studies of commercial and open-pedigree maize hybrids for maturity and yield. Agron. Lusitana 13:253-257. 1951.

Crabb, R. Truth on high-protein corn. Successful Farm. 49:164+ 1951.

Desclaude, G., and Chauvet. Les essais de mais a l'Ecole de Agriculture de Saintes. Agr. Charentais 6(20):2. 1952.

Dicke, F. F. and Penny, L. H. Built in resistance helps corn fight borers. Crops and Soils 4:9-11. 1952.

DuCourtial, A. Quels resultats attendre des croisements de mais? Vie a la Champagne 40:404-405. 1951.

Duncan, C. W. et al. The chemical composition and nutritive value of yellow dent corn grain. I. The iron, manganese, and gross calorie content. Mich. State Coll. Agr. Exp. Sta. Quart. Bull. 33(4):351-360. 1951.

Duvick, D. N. Free amino acids in the developing endosperm of maize. Am. Jour. Bot. 39:656-661. 1952.

Earley, E. B. Percentage of carbohydrates in kernels of Station Reid Yellow Dent corn at several stages of development. Plant Physiol. 27:184-190. 1952.

____ et al. Nicotinic acid, thiamine and carotene content of kernels of medium and high protein corn. Agron. Jour. 44:326-328. 1952.

Eckhardt, R. C. Predicting yields of missing single crosses of corn. Agron. Jour. 44:215-216. 1952.

Eider, A. L. Future for chemurgy of corn. Chemurgie Digest. 11:15-18. 1952.

Eldredge, J. C. The story of better popcorn. Popcorn Merchandiser 6(10):4, 6, 37. 1952.

Ettinger, J. On the cultivation of maize. Hassadeh 31:425-427. 1951. (Hebrew)

Ferwerda, F. P. The diversity of types in maize with special reference to shape, colour, and structure of the grain. Zaadwereld 15:263-264, 269. 1951.

Ford, Lee. A cytogenetic study of a set of maize monoploid twins. Genetics 37:580. 1952. (Abstract)

Gabelman, W. H. Genetic control of the cytoplasmic factor for male sterility in maize. Genetics 37:582. 1952. (Abstract)

Galindo, A. Algo sobre la historia del maiz. Cult. Mod. 34:324-325. 1951.

Garros, N. Standardisation et conditionnement des mais tropicaux. Cong. Intern. du mais Rap. 2:379-394. 1949. (Pub. 1950)

German, F. and Bowen, V. T. Technique for growing plants under sterile conditions. Plant Physiol. 26:840-842. 1951.

Ghisleni, P, L, The vitality of maize pollen prolonged by ultra-violet rays. Ital. Agric. 89:45-48. 1952.

Grobman, A. Complementary gametic selection as a method for producing synthetic varieties of maize. Agronomia (Lima) 16:41-62. 1951.

Groszmann, Americo. Inheritance of the weight and component parts of the seed in a dent x popcorn cross. *Lilloa* 19:75-88. 1949.

Hall, H. H. et al. The B-complex vitamin composition of corn cobs. *Cereal Chem.* 20:156-160. 1952.

Haskell, Gordon. Genetics of cold tolerance in maize and sweet corn seed. *Heredity* 6:377-385. 1952.

Helder, R. J. Growth as a determining factor for the intake of anions by maize plants. *K. Nederland, Akad. Wetenschapp. Amsterdam Proc.* 54(3):275-286. 1951.

Holden, E. D. El maiz hibrido, notable hallazgo en la genetica. *Agr. Venezol.* 16(153):37-38. 1951.

Horovitz, S. and Obregon, P. El caracter de anteras indehiscentes en maiz y su posible utilizacion en la produccion de hibridos. *Agron. Trop. (Maracy)* 1:77-82. 1951. (English summary)

Hoshaw, R. W. and Guard, A. T. Morphological and anatomical effects of 2,4-D on young corn plants. *Bot. Gaz.* 113:65-74. 1951.

Hunt, C. E. et al. The effect of maturity on the variation in protein, niacin, and pantothenic acid content of corn hybrids. *Cereal Chem.* 29:142-147. 1952.

Ingersoll, F. S. Male sterile corn makes better hybrids. *Crops and Soils* 4:26-27. 1952.

Iowa Corn Research Institute. Maize bibliography for the years 1937-1945 incl.; Compiled by J. C. Cunningham, Iowa Agr. Exp. Sta. Corn Res. Inst. Contrib. 3:194-298. 1951.

Jenkins, Merle T, and Robert, Alice L. Inheritance of resistance to the leaf blight of corn caused by *Helminthosporium turcicum*. *Agron. Jour.* 44:136-140. 1952.

____ et al. Inheritance of resistance to *Helminthosporium turcicum* leaf blight in populations of F_3 progenies. *Agron. Jour.* 44:438-442. 1952.

Jones, D. F. and Mangelsdorf, P. C. The production of hybrid corn seed without detasseling. *Conn. Agr. Exp. Sta. Bul.* 550:21 pp. 1951.

Jones, M. D. and Brooks, J. S. Effect of tree barriers on outcrossing in corn. *Okla. Agr. Exp. Tech. Bul.* T45:1-11. 1952.

Kan, M. and Oshima, T. On the F_1 hybrids of the intervarietal cross of corn. *Kyushu Noji Shikinjo* 8:53-54. 1951. (In Japanese)

Kandler, Otto. Effect of 2,4-dinitrophenol on the respiration and growth of maize roots grown in vitro. *Zeitschr. Naturforsch.* 56(6):338-344. 1950.

Kay, R. and Phinney, B. The control of chlorophyll and carotenoid production by a virescent gene in maize. *Genetics* 37:593. 1952. (Abstract).

Kelman, A. and Herbert, T. T. Evolution of techniques for inoculating corn with *Physoderma maydis*. *Phytopath.* 42:284-285. 1952.

Kiesselbach, T. A. Progressive development and seasonal variations of the corn crop. *Nebr. Agr. Exp. Sta. Res. Bul.* 166:49 pp. 1950.

____ and Walker, Elda R. Structure of certain specialized tissues in the kernel of corn. *Am. Jour. Bot.* 39:561-569. 1952.

Kinman, M. L. Composite-sibbing versus selfing in development of corn inbred lines. *Agron. Jour.* 44:209-214. 1952.

Koester, M. L. The effect of continuous gamma radiation upon starch formation in *Zea mays* pollen. *Genetics* 36:559. 1951. (Abstract)

Koski, V. M. and Smith, J. H. C. Chlorophyll formation in a mutant white seedling -3. *Arch. Biochem. Biophys.* 34:189-195. 1951.

Kozelnicky, G. M. The performance of corn inbreds per se in comparison with their performance in test-cross combination. *Assoc. South. Agr. Workers, Proc.* 49:53-54. 1952.

Kramer, N. W. An evaluation of the effectiveness of visual selection during inbreeding in corn. *Ohio State Univ. Doctoral Diss. Absts.* 62:127-133. 1952.

Lanza, F. Observations on the root system in *Zea mays* *identata* (hybrid U32) and in *Z. mays* *indentura*. *Am. della Sperg. Agr.* 6:941-950. 1952. (In Italian).

LaRue, C. D. Growth of the scutellum of maize in culture. *Science* 115:315. 1952.

Laughnan, J. R. The action of allelic forms of the gene A in maize. On the compound nature of A^b and the occurrence and action of its A^d derivatives. *Genetics* 37:375-395. 1952.

_____. The A^b components as members of a duplication in maize. *Genetics* 37:598. 1952. (Abstract)

Longley, A. E. Chromosome morphology in maize and its relatives. *Bot. Rev.* 18:399-412. 1952.

Mangelsdorf, P. C. Hybridization in the evolution of maize. *Heterosis* p. 175-198. *Iowa State Coll. Press, Ames, Iowa.* 1952.

_____. Hybrid corn; its genetic basis and its significance in human affairs. In 'Genetics in the 20th Cent.' Dunn, L. C. (ed.) pp. 555-571 *Macmillan Co., New York.* 1951.

_____. and Smithy C. E. New evidence on evolution in maize. Recent advances in American Ethnobotany. *Chronica Bot.* 1952.

Martin, J. H. and Jenkins, M. T. New uses for waxy-cereal starches. *U.S.D.A. Yearbook* p. 159-162. 1950-1951.

Matsuura, H. and Suto, T. Gene analysis in maize. V. The genetic behavior of the calico character. *Jap. J. Genet.* 23:31. 1948. (In Japanese)

Mazoti, L. B. Relative inversibility of the hereditary cytoplasmic variation induced by the gene "ij" (variegated) of maize. *Rev. Arg. Agron.* 19:35-38. 1952. (In Spanish)

_____. A case of extranuclear influence in heredity. *Lilloa* 19:129-132. 1949.

McLane, S. R. Jr. The detection of syngamin, an indigenous plant hormone, by the "in vitro" culture of immature corn embryos. *Mich. Univ. Microfilm Abs.* 11:671-672. 1951.

McMurray, S. F. Differential reaction of some southern inbred lines of corn to pre-emergence spraying with 2,4D. *South. Weed Conf. Proc.* 4:110-3-11. 1951.

Mesa-Bernal, D. An important discovery in Columbia relating to the origin of maize. *Agricultura Trop. Bogota* 7(4):35-38. 1951.

Miller, P. A. et al. Relationships of lysine and niacin with the crude protein and certain protein components in corn grain. *Agron. Jour.* 44:343-345. 1952.

Morris, Rosalind. Transmitted pollen and chromosomal aberrancies induced in maize by tassel exposure in a nuclear reactor. Am. Jour. Bot. 39(7):452-457. 1952.

Musiiko, A. S. Intravarietal hybridization of maize. Proc. Lenin Acad. Agric. Soil U.S.S.R. 9:3-9. 1951. (In Russian)

Nakamura, N. On testing combining ability in the S_o in maize and on synthetic varieties. Jap. J. Breed. 1:10-14. 1951. (In Japanese)

Naylor, A. W. Accumulation of sucrose in maize following treatment with maleic hydrazide. Arch. Biochem. and Biophys. 33(2):340-341. 1951.

Nelson, O. E. Jr. Non-reciprocal cross-sterility in maize. Genetics 37(2):101-124. 1952.

____ and Clary, G. B. Genic control of semi-sterility in maize. Jour. Hered. 43:205-210. 1952.

Netien, G, and Beauchesne, G. Action d'un extrait liquide de graines de mais immatures (lait de mais), sur la croissance des tissus de tubercules de topinambour cultivé's in vitro. Acad. des Sci. Compt. Rend. 234:1306-1308. 1952.

Norden, A. et al. Some factors that effect [sic] protein content of corn. Mich. State Coll. Agr. Exp. Sta. Quart. Bul. 34(3):210-225. 1952.

Nuret, H. La meunerie du mais. Cong. Intern. du mais. Mais Rap. 2:495-506. 1949 (Pub. 1950)

Patterson, E. B. The use of functional duplicate-deficient gamets in locating genes in maize. Genetics 37(5):612. (Abstract)

Peterson, P, A. Effect of temperature on the mutation rate of a mutable locus in maize. Genetics 37:614. 1952. (Abstract)

Pisarer, V. E. and Zhilkina, M. D. Corn in Moscow region. Selek. i Semen. 18(9):17-22. 1951 (In Russian)

Pittenger, T. H. and Frolik, E. F. Temporary mounts for pollen abortion determinations. Stain Tech. 26:181-184. 1951.

_____. Methods of determining the effects of certain factors on the degree of pollen abortion in maize. Nebr. Univ. Doct. Diss. Abs. 12:20-25. 1951.

Player, Mary A. Effects of some growth regulating substances on the transpiration of Zea mays L. and Ricinus communis L. Plant Physiol. 25(3):469-477. 1950.

Polak, B. and Supraptohardjo, M. Pot and field experiments with maize on acid forest peat from Borneo. Indonesia Gen. Agr. Res. Sta. Contrib. 25:17 pp. 1951.

Punnett, Hope H. An aberrant fragment chromosome in maize. Genetics 37:615. 1952. (Abstract)

Questel, D. D. and Bradley, W. G. Mortality of aphids and European corn borers feeding on corn plants grown in soil treated with bis (2-(2-Fluoroethoxy)ethoxy)methane. Jour. Econ. Ent. 44(2):259-260. 1951.

Radley, J. A. The manufacture of maize starch. II. Food Mfr. 26:488-492. 1951.

Randolph, L. F. Cytological and phenotypical effects induced in maize by rays and the Bikini Test Able atomic bomb. Jour. Cell. Comp. Physiol. 35:103-117. 1950.

----- New evidence on the origin of maize. Amer. Nat. 86(829):193-202. 1952.

Reines, M. and Grove, A. R. Jr. Some anatomical responses of corn to treatment with 2,4-dichlorophenoxyacetic acid. Pa. Agr. Exp. Sta. Bul. 541:16 pp. 1951.

Rhoades, M. M. Effect of the bronze locus on anthocyanin formation in maize. Amer. Nat. 86:105-108. 1952.

----- Origin of cytoplasmic male sterility in corn. Amer. Seed Trade Assoc., Hybrid Corn Indus. Res. Conf. Proc. 6:7-11. 1951.

Richardson, C. H. Effects of insecticidal fumigants on the germination of seed corn. Jour. Econ. Ent. 44:604-608. 1951.

Robertson, D. S. The genotype of the endosperm and embryo as it influences vivipary maize. Proc. Nat. Acad. Sci. 38(7):580-583. 1952.

Rodgers, E. G. Brittleness and other responses of corn to 2,4-dichlorophenoxyacetic acid. Plant Physiol. 27:153-172. 1952.

----- Responses of corn to 2,4-dichlorophenoxyacetic acid. Iowa State Coll. Jour. Sci. 26:273-274. 1952.

Rojas, Basilio A. and Sprague, G. F. A comparison of variance components in corn yield trials: III. General and specific combining ability and their interaction with locations and years. Agron. Jour. 44:462-466. 1952.

Roy, D. K. and Guha, B. C. Sugar in maize stalks. Sci. and Cult. 17:138. 1951.

Rundfeldt, H. The utilization of the heterosis effect in maize breeding. Z. Pflanzenz. 31:226-260. 1952. (In German)

Sadana, J. C. Observations on the carotinoid pigments of local varieties of yellow maize. Indian Jour. Med. Res. 34:59-68. 1946.

Sarkar, B. C. R. et al. The chemical composition and nutritive value of yellow dent corn grain. II. The thiamin, riboflavin, niacin, and pantothenic acid content. Quart. Bull. Mich. Agric. Exp. Sta. 33:361-371. 1951.

Sass, J. E. Reduced vascular bundles in maize. Iowa State Coll. Jour. Sci. 26:95-98. 1951.

----- Comparative leaf number in the embryos of some types of maize. Iowa State Coll. Jour. Sci. 25:509-512. 1951.

Sayre, J. D. Accumulation of radioisotopes in corn leaves. Ohio Agr. Exp. Sta. Bul. 723:1-30. 1952.

----- Some hidden secrets of plant nutrition; accumulation of radio-isotopes in corn leaves. Fert. Rev. 28:8-9. 1952.

Schneider, E. O. et al. Nitrogen fractions on the component parts of the corn kernel as affected by selection and soil nitrogen. Agron. Jour. 44:161-169. 1952.

Schwartz, Drew. The analysis of a case of cross-sterility in maize. Proc. Nat. Acad. Sci. 36(12):719-724. 1950.

----- The interaction of nuclear and cytoplasmic factors in the inheritance of male sterility in maize. Genetics 36:676-696. 1951.

----- The effect of oxygen concentration on X-ray induced chromosome breakage in maize. Proc. Nat. Acad. Sci. 38(6):490-494. 1952.

_____. Evidence for sister-strand crossing over in maize. Genetics 37:623. 1952. (Abstract)

Schweiz, Landw. Mh. 30:3-37. 1952-Reports of papers of meeting of the Assoc. of Maize Breeders in Europe and the Near East held at Zurich, Switzerland, Feb. 5-9. 1952.

Scossiroli, Renzo. Yields of hybrid maize compared with native varieties planted at different distances. Ann. Sperim. Agrar. (Rome) 3(4):799-802. 1949.

_____. The nature of corn stunt, and its influence on the chemical composition of the grain. Notiz. Malat. Plante 15:9-13. 1951.

Singleton, W. R. et al. Microspore and megasporule mutation rates in maize. Genetics 37:626. 1952. (Abstract)

Smith, F. G. Mechanism of the tetrazolium reaction in corn embryos. Plant Physiol. 27:445-456. 1952.

Smith, F. L. Hybrid corn. The application of fundamental knowledge of genetics to commercial agriculture. Calif. Agric. 3(12):4-11. 1949.

Sorokin, C. Inbreeding is again in favor in Soviet Russia. Jour. Hered. 42:135-136. 1951.

Sprague, G. F. and Miller, P. A. The influence of visual selection during inbreeding on combining ability in corn. Agron. Jour. 44:258-262. 1952.

_____. et al. Additional studies of the relative effectiveness of two systems of selection for oil content of the corn kernel. Agron. Jour. 44:329-331. 1952.

Stadler, L. J. Spontaneous mutation in maize. Cold Spring Harbor Symposia Quantit. Biol. 16:49-63. 1951.

_____. Problems of gene structure. I. The interdependence of the element (S) and (P) in the gene R^r of maize. Science 114:488. 1951.

Staniferth, D. S. Effect of 2,4-dichlorophenoxyacetic acid on meristematic tissues of corn. Plant Physiol. 27:803-811. 1952.

Suto, T. On some new heritable characters in maize. Jap. J. Genet. 21:48-50. 1946.

_____. and Kato, Y. Gene analysis in maize. Jap. J. Genet. 23:48-51. 1948.

Tavcar, A. The inheritance of the number and position of leaves in Zea mays L. Rad. Jug. Ahad. Znan. Umj. 84:77-90. 1941.

_____. Correlation between characters of kernel and cob in F₁ generations raised from the inbred lines of dent maize, Zea mays. Yougoslave Acad. of Arts and Sci. Zagreb. 1953.

Teas, H. J. A morphological basis for higher niacin in sugary maize. Proc. Nat. Acad. Sci. 38:817-822. 1952.

_____. and Anderson, E. G. Niacin in starchy and sugary maize. Genetics 37:632. 1952. (Abstract)

_____. et al. Tryptophan, niacin, indoleacetic acid, and carbohydrates in developing sugary and starchy maize kernels. Agron. Jour. 44:434-438. 1952.

Van Reen, R. and Singleton, W. R. Sucrose content in the stalks of maize inbreds. Agron. Jour. 44:610-614. 1952.

Warner, J. N. A method of estimating heritability. *Agron. Jour.* 44:427-430. 1952.

Weatherwax, P. The first printed picture of Indian Corn. *Proc. Ind. Acad. Sci.* 60:273-275. 1950 (Pub. 1951).

_____. Chicomecoatl's corn. *Ibid.* 60:37. 1950 (Pub. 1951).

_____. The history of corn. *Ciencia and Investigacion. B. Aries.* 8:387-401. 1951.

Weijer, J. A catalogue of genetics maize types together with a maize bibliography. *Bibliographia Genetica* 14(3-4):189-425. 1952.

Wernham, C. C. Disease resistance and early testing of maize. *Science* 116:57-58. 1952.

Windsor, E. Aminoadysic acid as a constituent of a corn protein. *Jour. Biol. Chem.* 192(2):595-606. 1951.

Wolf, F. T. Production of indole acetic acid by *Ustilago zea*, and its possible significance in tumor formation. *Proc. Nat. Acad. Sci.* 38:106-111. 1952.

Wolf, M. J. et al. Structure of the mature corn kernel. I. Gross anatomy and structural relationships. II. Microscopic structure of pericarp, seed coat, and hilar layer of dent corn. III. Microscopic structure of the endosperm of dent corn. IV. Microscopic structure of the germ of dent corn. *Cereal Chem.* 29:321-381. 1952.

Woodworth, C. M. et al. Fifty generations of selection for protein and oil in corn. *Agron. Jour.* 44:60-65. 1952.

Yamasaki, Y, The origin of maize varieties. *Jap. J. Breed.* 1-20. 1951.

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