REFERENCES

1. Abd El-Aal, R.E.S. (1967):
Pot experiments for the determination of phosphorus supplying power of the soils.
M.Sc. Thesis, Fac. Agric., Ain Shams Univ.

2. Abd El-Barr, A.A. (1953):
A study on some of the chemical methods for determination of the phosphorus in Egyption soils.
Ph.D. Thesis, Fac. Agric., Cairo Univ.

3. Abd El Salam, A. and Hashish, S. (1962):
Effect of varying moisture levels in desert soils on phosphorus uptake by plants.
Symposium of I.A.E.A. Vienna.
(C.F. El Nennah 1972).

4. Abdou, F.M., Metwally, S.Y., Hamdi, H. and El-Nennah M. (1969)
The influence of soil moisture on phosphorus uptake by corn and on the efficiency of added superphosphate.
J. Soil Sci. U.A.R., 9 : 175.

5. Abdou, F.M. and Larsen, S. (1964):
Aradio-active tracer method for measuring the stability of sparingly soluble phosphates in soils. Soil Sci., 98 : 94.

6. Abdou, F.M., El Damaty, A.H., El Kholi, A.F. and Massoud, M.A., (1971):
Efficient methods for the utilization of native and fertilizer phosphorus in calcareous soils.
Isotope and Rad. Res., U.A.R. 4 : 99.

7. Abdou, F.M., Metwally, A. and El-Kobbia, T. (1972):
Salt effect on the uptake of phosphate by Rye-Grass.
Isotope and Rad. Res., 5: 41.

8. Abdou, F.M., El-Kobbia,T. and El-Nennah, M. (1974):
Effect of seed pretreatments on phosphorus uptake by alfalfa.
Plant and soil., 40: 343.

9. Abdou, F.M., and El-Kobbia, T. (1976):
Effect of seed pretreatments with phosphorus on the yield and phosphorus uptake by barley
Agrochimica., 20 (1) 29 :36.

10. Adams, A.P., Bartholomew, W.V. and Clark, F.E. (1954):
Measurement of nucleic acid components in soil.
Soil Sci. Soc. Amer. Proc., 18:40.

11. Anderson, G., (1961):
Estimation of purines and pyrimidines in soil humic acid.
Soil Sci., 91: 156.

12. Balba, A.M., Anwar, R.M. and Hamdi, H. (1959):
Phosphate reversion in soil phosphate system.
Fac. Agric., Cairo Univ., Bull. No. 155
(C.F. Abd El-Aal 1967).

13. Black, C.A. (1965)
Methods of Soil Analysis.
Amer. Soc.Agron. Madison, Wisconsin.

14. Black C.A. (1968):
Soil-Plant Relationships
John Wiley and Sons, Inc. New York.

15. Boischet, P., Coppenet, M. and Herbert, J. (1950):
The fixation of phosphoric acid on calcium carbonate in soils.
Plant and soil., 2: 311.

16. Brown, D.A., Placa, G.A., and Pettiet, J.V. (1960):
The effect of soil moisture upon cation exchange in soils and nutrient uptake by plants.
Soil and Fert., 25; 223.

17. Buhrer, T.F. (1932):
The physico-Chemical relationships of soil phosphates
Arizona Agr. Exp. Sta. Tech. Bull., 42:154.
(C.F. Bear 1965).

18. Chang, S.C., and Chu, W.K.(1961):
The fate of soluble phosphate applied to soils
J. Soil Sci., 12:286.

19. Chang, S.C. and Jackson M.L. (1957):
Fractionation of soil phosphorus.
Soil Sci., 84:133.

20. Chakravarti, S.N.,Talibudeen, O. (1962):
Phosphate equilibra in acid soil.
Soil Sci., 13: 231.

21. Coake, G.W. (1970):
The Control of Soil Fertility.
The English Language Book Society and Crosby Lock (Wood and Son LTD London Sw 7) .

22. Coleman, R. (1974):
The mechanism of phosphate fixation by Montmorillonitic and kaolinitic clay.
Soil Sci. Soc. Amer. Proc., 9:72.

23. Cosgrove, D.J. (1963):
The chemical nature of soil organic phosphorus I.Inositol phosphates.
Australian Jour. Soil Res. 1:203.
(C.F. Black C.A. 1968).

24. Dalton, J.D., Russell, G.C. and Sieling, D.H. (1952): Effect of organic matter on phosphate availability Soil Sci., 73 : 173.

25. Eid, M.T., and Abd El-Samie, M.E.S. (1956): Some factors affecting phosphate fixation in Egyptian Soils. Ministry of Agric , Bull. No. 272, Cairo. (C.F. Abd El Aal, R.S. 1967).

26. El Gendy, F.H. (1973): A preliminary study on the activation of phosphate absorption by plant. M.Sc. Thesis, Fac. Agric., Ain-Shams Univ.

27. El Nennah, M.E. (1972): Factors influencing the availability of phosphate in alkaline soils. Ph.D. Thesis Ain-Shams Univ., (1972);

28. El Sherif, A.F., and El Sherif, S.M. (1973): The effect of soil moisture levels and fertilizers on dry matter and phosphorus uptake by wheat and flax. J. Soil Sci., 13: 203.

29. Gardener, R., and Kelley, O.J. (1940): Relation of pH to phosphate solubility in Colorado soils. Soil Sci., 50 : 91.

30. Griffin, R.A., and Jurinak, R.A. (1974): Kinetics of the phosphate interaction with Calcite. Soil Sci. Soc. Amer. Proc.,38 : 75.

31. Hall, J.K.,and Baker,D.E. (1971): Phosphorus fixation by Montomorillonite and vermiculite clays as influenced by pH and soluble Al. Soil Sci. Soc. Amer. Proc. 35 : 876.

32. Hance, R.J., and Anderson, G. (1963):
Extraction and estimation of soil phospholipids.
Soil Sci. 96:157.

33. Hibbard, P.L (1935):
Factors influencing phosphate fixation in soils.
soil Sci., 39:337.

34. How, D.C. and Graham, E.R. (1957);
Salt concentration, a factor in the availability of phosphorus from rock phosphate as revealed by the growth and composition of alfalfa.
Soil Sci. Soc. Amer.Proc., 21:25.

35. Jackson, M.L. (1960):
Soil Chemical Analysis"
prentice-Hall, INC Englewood Cliffs, U.S.A.

36. John, M.K. (1970):
Colorimetric determination of phosphorus in soil and plant material with ascorbic acid.
Soil Sci., 10:214.

37. Kardos , L.T. (1964):
Soil fixation of plant nutrients
(C.F. Bear, 1965).

38. Kelley, J.B., and Midgley, A.R. (1943):
Phosphate fixation and hydroxyl ions.
Soil Sci. 55: 167.

39. Kilmer, V.J., and Alexander, L.T. (1949):
Methods of making mechanical analysis of soils
soil Sci. , 68:15.

40. Kuo, S., and Lotse E.G. (1972):
Kinetics of phosphate adsorption by calcium carbonate and Ca-Kaolinite
Soil Sci. Soc. Amer. Proc., 36:725.

41. Larsen, S., Gunary, D. and Sutton, C.D. (1965): The rate of immobilization of applied phosphate in relation to soil properties. J. Soil Sci., 16; 141.

42. Lehr, J.J., and Van Wesemael, J.E. (1952): The influence of neutral salts on the solubility of soil phosphate, with special reference to the effect of the nitrates of sodium and calcium. J. Soil Sci., 3 :125.

43. Lewis, G.C. , Jordan, J.V. and June, R.L. (1952): Effect on certain cations and anions on phosphorus availability. Soil Sci., 74:227.

44. Lindsay, W.L., and Moreno, E.C. (1960): Phosphate phase equilibria in soils. Soil Sci. Soc. Amer. Proc., 24:177.

45. Lockett, J.L. (1938): Nitrogen and phosphorus changes in the decomposition of rye and clover at different stages of growth. Soil Sci., 45 : 13.

46. Massoud, M.A. (1969): Influence of phosphorus application methods on the yield, the uptake of P, Fe, Mn and B by plant in calcareous soils (Bourg El-Arab Zone) using radioactive 32p. M.Sc. Thesis, Fac. Agric. Ain-Shams Univ.

47. Mattson, S., Kontler-Andersson , E., and Vahtras, K. (1951) Phosphate relationships of soil and plant II Electrokinetics, amphoteric behaviour and solubility relationship of calcium phosphates Amer. Roy , Agricoll, Sweden, 18 : 128.

48. Metwally, S.Y., and Pollard, A.G. (1959):
Effect of soil moisture conditions on the uptake of plant nutrients by barley and on the nutrient content of the soil solution.
Soil and Ferti., 23 : 47.

49. McGeorge, W.T., and Breazeale, J.F. (1931):
The relation of phosphate availability, soil permeability, and carbon dioxide to the fertility of calcareous soils.
Arizona Agr. Expt.Sta. Tech Bull. 40.

50. Moriya, M.S. (1956):
The effect of phosphate on the hardness of rice seedling transplanted under unfavourable climatic conditions,2. The effect of various phosphate treatment on rice seed.
Proc. Crop Sci. Soc. Japanese, 22: 40.

51. Okuda, A., and Hori, S. (1957):
Studies on the effect of humic acid on availability of phosphorus.
Soil and Pl. Food, 2; 195.
(C.F. Soils and Fertilizers, 20 : 19623).

52. Olsen, S.R. (1953):
Inorganic phosphorus, in alkaline and calcareous soils.
Adv. Agronomy, 4: 89
(C.F. El Nennah, 1967).

53. Olsen, S.R., Cole, C.V. , Watanabe, F.S. and Dean, L.A. (1954):
Estimation of available phosphorus in soils by extaction with sodium bicarbonate.
U.S.A. Dept. Agr. Circ. 939.
(C.F. Abe El Aal, R.S. 1975).

54. Olsen, S.R., Watanabe, F.S. and Cole, C.V. (1960a):
Effect of sodium bicarbonate on the solubility of phosphorus in calcareous soils.
Soil Sci., 89 : 288.

55. Olsen, S.R., Kemper , W.D. and Van Shalk, J.C. (1965)
Self-diffusion coefficients of phosphorus in soil measured by transient and steady - state methods.
Soil Sci. Soc. Amer. Proc., 29:154.

56. Piper, C.S. (1950):
Soil and Plant Analysis".
Inter Science Publications, Inc. New York.

57. Probert, M.E. , and Larsen, S. (1970):
The stability of dicalcium phosphate dihydrate in soil.
J. Soil Sci., 21: 359.

58. Racz, G.J. and Soper, R.J. (1962):
Reaction products of orthophosphate in soils containing varying amounts of calcium and magnesium.
Canad. J. Soil Sci. 47.

59. Rennie, D.A., and McKercher, R.B. (1959):
Adsorption of phosphorus by fours Askatchewan soils.
Canad. J. Soil Sci., 39:64.

60. Richards, L.A. (1954):
Diagnosis and improvement of saline and alkali soils.
U.S. D.A., Hand book No. 60.

61. Russell, F.W. (1961):
Soil conditions and Plant Growth
9th Ed. Longmans, Green and Co. , London.

62. Sadik, M.K. , and Abd El-Aal, R.S. (1978):
Studies on some phosphorus relations and availability in various soils of Egypt.
Annals of Agric. Science, Moshtohor., 10:17.

63. Sauchelli, V. (1965):
Phosphate in Agriculture.
Ed. Reinhold, New York.
(C.F. El Nennah 1972).

64. Sharma, R.C., Grewal, J.S. and Mukhtar Singh, S. (1977):
Soaking of seed potatoes in phosphate solution to economise on the fertilizer in-put.
Plant and Soil., 46 : 145.

65. Silvo, A.E.M.R. (1963):
The effect of calcium sulphate on the rate of soluble phosphate penetration into the soil and its uptake by crops.
M.Sc. Thesis, Fac. Agric., Cairo Univ.

66. Singh, B.B. and Jones, J.P. (1976):
Phosphorus sorption and desorption characteristic, of soil as affected by organic residues.
Soil Sci. Soc. Amer. Proc., 40 : 389.

67. Smirnov, P.M. (1958):
The dependence on soil moisture of phosphorus assimilation by plants.
Izvest. Timiryaz.Sel. Skakhoz, Akad; 4: 99
(C.F. El Nennah, 1972).

68. Stout, P.R. (1939):
Alternations in crystal structure of clay minerals as a result of phosphate fixation.
Soil Sci. Soc. Amer. Proc; 4: 177.

69. Strunthers, P.H. and Sieling, D.H. (1950):
Effect of organic anions on phosphate precipitation by iron and aluminum as influenced by pH.
Soil Sci., 69 : 205.

70. Tisdal, S.L., and Nelson, W.L. (1958):
Soil Fertility and Fertilizers.
The Macmillan-Co., New York PP. 69.

71. Wada , K. (1959:
Reaction of phosphorus with allophene and halloysite.
Soil Sci., 87:325.

72. Walkely, A., and Black, T.A. (1934):
An examination of the degljareff method for determining soil organic matter and a proposed modification of the chromic acid titration method.
Soil Sci., 37:29.

73. Weir, C.C., and Soper, R.J. (1962):
Adsorption and exchange studies of phosphorus in some Nanitoba soils.
Canad, J. Soil Sci., 42:31.