

R E F E R E N C E S

- Anand, I.J. and B.R. Murty. 1969 : Performance of heterozygotes in presence of reciprocal and maternal effects in diallel crosses of linseed . Indian J. Gent. and Pl. Breed. , 29 (3) : 363 - 372 .
- Badwal, S.S. and V.P. Gupta. 1970 : General and specific combining ability in linseed . Indian J. Gent. and Pl. Breed. , 30 (2) : 328 - 334 .
- Chadhary, P.N. ; G.D. PatiI and R.E. Zope. 1977 : Genetic variability and correlation studies in sesame(Sesamum indicum, L.) . J. Maharashtra Agric. Univ. India , 2 (1) : 30 - 33 .
- Chavan, A.A.; V.G. Makne and P.R. Chopde. 1982 : Components of heterosis and inbreeding depression studies in sesame (Sesamum indicum, L.) . J. Maharashtra Agric. Univ. , India , 7 (1) : 15-16 .
- Crumpacker , D.W. and R.W. Allard. 1962 : A diallel cross analysis of heading date in wheat . Hilgardia, 32 (6) : 275 - 296 .
- Dehral, K.C. and A.S. Holker. 1971 : Variability in sesame with special reference to capsule characters . JNKVV Res. J. , 5 (1) : 44 - 50 .
(C.F. PL. Breed. Abstr., 42 : 8630 , 1972) .
- Dixit, R.K. 1975 : Inheritance of yield and its components in sesame. Indian J. Agric. Sci., 46(4): 187-191.

Dixit, R.K. 1976 : Heterosis and inbreeding depression in sesame . Indian J. Agric. Sci. : , 46 (11) : 514-517.

El-Ahmar, B.A. 1967 : Studies on the techniques of hybridization in sesame . Monthly Report. Min. Agric. A.R.E. (Unpublished). (C.F. El-Ahmar, 1970).

----- 1974 : Genetical studies on sesame plants (Sesamum indicum L.). Ph. D. Thesis, Fac. of Agric., Ain Shams Univ. Egypt .

----- 1978 : Inheritance of oil content and its association with some economic characters in sesame (Sesamum indicum , L.). Agric. Res. Rev. , Egypt, 56 (8) : 145 - 151 .

-----, and F.M. El-Rayes . 1982 : Inheritance of some vegetative characters and its relation to seed yield in (Sesamum indicum, L.) . Agric. Res. Rev. , Egypt , 60 (8) : 103 - 124 .

Fatteh, U.G. ; R.M. Shah. and D.G. Bodar. 1982 : Studies on combining ability in sesame (Sesamum indicum, L.) Madras Agric. J. , 69 (3) : 145 - 150 .

Giriroj, K. 1973 : Diallel analysis of five quantitative characters in castor (Ricinus communis, L.). Mysore J. of Agric. Sci. , 7 (2) : 343 - 344 . (C.F. Pl. Breed. Abstr. 44 No. 5, 1974) .

Griffing, B. 1956 : Concept of general and specific combining ability in relation to diallel crossing system. Australian J. Biol. Sci. 9 : 463 - 493 .

Gupta, T.R. 1981 : Combining ability analysis of yield components in sesame (Sesamum indicum , L.) . Madras Agric. J. 68 (5) : 281 - 288 .

Hassaballa, E.A.; M.A. El-Morshidy ; M.A. Khalifa and H.M. Abd El-Rahim . 1980a: Heterosis and gene action in sesame (Sesamum indicum , L.) . I- Earliness and some morphological characteristics . Res. Bull. Fac. Agric. , Ain Shams Univ. , Cairo, Egypt No. 1246.

----- . 1980 b : Heterosis and gene action in sesame (Sesamum indicum , L.) . II- Seed yield and its components . Res. Bull. Fac. Agric. Ain Shams Univ. Cairo , Egypt , No. 1247 .

Hayman, B.I. 1954 a : The analysis of variance of diallel tables . Biometrics , 10 : 235 - 244 .

----- . 1954 b : The theory and analysis of diallel crosses. Genetics, 39 : 789 - 809 .

Hooks, J.A. ; J.H. Williams and C.O. Gardner. 1971 : Estimates of heterosis from a diallel cross of inbred line castors (Ricinus communis , L.) . Crop Sci., 11 (5) : 651-655.

Ibrahim, A.F.; D.A. El-Kadi and A.I. Ragab. 1983 a : Studies on diallel crosses of sesame (Sesamum indicum , L.)
I - Heterosis and inbreeding effects . Proceeding of the First Conference of Agronomy , 1983 , Vol. 2, (84) 567 - 576 .

Ibrahim , A.F. ; D.A. El-Kadi and A.I. Ragab , 1983 b ; Studies on diallel crosses of sesame. (Sesamum indicum, L.), II- Combining ability and reciprocal effects . Proceeding of the First Conference of Agronomy , 1983, Vol. 2, (85) : 577 - 590 .

-----, 1983 c; Gene action and heritability estimates in 7 x 7 diallel crosses of sesame (Sesamum indicum, L.) Proceeding of the First Conference of Agronomy , 1983, Vol. 2(86): 591 - 599 .

Issa, M.M.I. 1978 : Inheritance of some characters in sesame (Sesamum indicum, L.) M.Sc. Thesis , Fac. Agric. , Assiut Univ. , Egypt .

Jinks, J.L. 1954 : The analysis of continuous variation in a diallel cross of Nicotina rustica varieties .Genetics, 39 : 767 - 788 .

Joshi, A.B. and N.L. Dhawan , 1966 : Genetic improvement in yield with special reference to self-fertilized crops. Indian J. Genet., 26 A : 101 - 113 .

Khidir, M.O. 1972 : Natural cross-fertilization in sesame under Sudan conditions . Expl. Agric. , 8 : 55-59 ,

Kotecha, A. and D.M. Yermanos. 1978 : Combining ability of seed yield, plant height , capsule number and capsule length in 8 x 8 diallel cross of sesame . Agron. Abstr. Ann. Meet. Dec. 3 - 8 , 1978 .

Mather, K. and J.L. Jinks. 1971 : Biometrical Genetics. Chapman and Hall Ltd. , London , 249 - 284 .

Murty , D.S. 1975 : Heterosis , combining ability and reciprocal effects for agronomic and chemical characters in sesame . Theoretical and Applied Genet., , 45 (7): 294 - 299.

----- . 1979 : Heterosis in inter mutant hybrids of Sesamum indicum , L. Current Sci. 48(18): 825-827.

----- and M. Hashim . 1973 : Inheritance of oil and protein content in a diallel cross of sesame(Sesamum indicum, L.) . Can. J. of Genet. and Cytol., 15 : 177 - 184 .

----- and M. Hashim . 1974 : Diallel analysis in sesame . Indian Soci. of Genet. and PL. Breed., 34 (A) : 703 - 712 .
(C.F. Pl. Breed. Abstr. 47 : 5678 , 1977).

Pal , B. P. 1945 : Studies in hybrid vigour . Notes on the manifestation of hybrid vigour in gram, sesamum , chilli and maize . Indian J. Genet., 5 : 106-115.

Riccelli , M. and B. Mazzani. 1964 : Mainifestation of heterosis in development of earliness and yield in diallel crosses of 32 sesame cultivars . Agron. Tropic. Venez., 14 : 101 - 125 .

Sarathe, M.L. and K.C. Dabral . 1969 : Heterosis studies in Sesamum orientale , L. Sci. and Cult. , 35 : 572-573.

Selim, A.K.A. and B.A.El-Ahmar . 1975 : Inheritance of some economic characters in sesame(Sesamum indicum , L.) Annals of Agric. Sci. Fac. Agric., Ain Shams Univ. Cairo , 20 (1) : 157 - 167 .

- Selim, A.K.A. and B. A. El-Ahmer . 1976 : Genetic behaviour of oil content in Sesamum indicum seed and its relation to some economic characters . Egyptian J. of Genet. and Cytol., 5 (2) : 456 - 459 .
- Serry, M.H. 1973 : Genetic behaviour of some economic characters in sesame (Sesamum indicum , L.) Ph.D. Thesis , Fac. Agric. Ain Shams Univ. , Egypt .
- Sharma, R.L. and B.P.S. Chauhan . 1984 . Genetic architecture of yield and its components in sesame . Indian J. Agric. Sci. , 54(1) : 1-5 .
- Sharaan , A.N. and A. I. Ragab . 1986 : Morphological analysis for some quantitative characters in three crosses of sesame (Sesamum indicum, L.) . Annals Agric. Sci. , Fac. Agric. , Ain-Shams Univ. , Cairo, Egypt , 31 (2) : 1261 - 1277 .
- Shrivastava, S.R. and S.P. Singh. 1981 : Heterosis and combining ability in sesamum . Indian J. of Genet. and Pl. Breed. , 41 (1) : 1 - 4 .
- Singh , S.P. 1973 : Heterosis and combining ability estimates in Indian mustard (Brassica juncea , L.), Crop. Sci., 13 (5) : 497 - 499 .
- , R.K. , and B. D. Chaudhary . 1977 : Biometrical methods in quantitative genetic analysis . Kalyani Publishers, Ludhiana , New Delhi .
- , V.K. ; H.G. Singh and Y.S. Shauhan . 1983 : Combining ability in sesame. Indian J. of Agric. Sci., 53 (5) : 305 - 310 .

Sprague, G.F. and L.A. Tatum. 1942 : General and specific combining ability in single crosses of corn . J. Amer. Soc. Agron., 34 : 923 - 932 .

Srivastava, S.C. and R. Prakash. 1977 : Heterosis in sesame . Current Research Univ. of Agric. Sci. Bangalore, 6(3) : 49 - 51 .

Tyagi , B.P. and H.G. Singh . 1981 : Hetetosis in sesame . Indian J. of Agric. Sci., 51 (12): 849 - 852 .

Wynne, J.C. ; D.A. Emery and P.W. Rice . 1970 : Combining ability estimates in Arachis hypogea , L., II- Field performance of F_1 hybrids . Crop Sci. , 10: 713-715.

Yermanos, D.M. and A. Kotecha . 1978 : Diallel analysis of four traits in sesame(Sesamum indicum, L.). Agron. Abstr. Madison , U.S.A. ; Amer. Soci. of Agron. 68. (C.F. Pl. Breed. Abstr. , 49 : 7356 , 1979) .