

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202331058277 A

(19) INDIA

(22) Date of filing of Application :30/08/2023

(43) Publication Date : 20/10/2023

(54) Title of the invention : A METHOD FOR DEVELOPMENT OF HYBRIDS UTILIZING HETEROISIS IN SWEET PEPPER FOR EARLINESS

(51) International classification :A01H0005080000, A01H0001040000, C12N0015820000, A01K0067020000, A61K0036670000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Brainware University, Kolkata

Address of Applicant :398, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata, West Bengal 700125 -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Sourav Roy

Address of Applicant :Assistant Professor and Teacher in Charge, Department of Agriculture, Brainware University, 398, Ramkrishnapur Road, Barasat 700125 -----

(57) Abstract :

The present invention relates to a method for development of hybrids utilizing heterosis in Sweet Pepper for earliness. The present invention introduces a novel hybrid sweet pepper plant that emphasizes early maturation while retaining optimal yields in warmer climates. Developed through a specialized breeding method, the hybrid combines recurrent selection with heterosis exploitation, ensuring systematic improvement over traditional breeds. Unique attributes of this hybrid include negative heterosis for early flowering, enhanced yield through positive heterosis, and a capability to thrive in non-traditional tropical areas. Furthermore, this plant facilitates consistent, year-round cultivation, offering promising economic benefits to farmers and contributing to nutritional security. The hybrid's adaptability ensures a consistent supply of sweet peppers, marking a significant advancement in agricultural breeding techniques.

No. of Pages : 14 No. of Claims : 10