

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011011179 A

(19) INDIA

(22) Date of filing of Application :16/03/2020

(43) Publication Date : 17/09/2021

(54) Title of the invention : FRUIT AND VEGETABLE PROTECTION DEVICE

(51) International classification	:A23L0019000000, A01G0013020000, F16B0002100000, E21B0034120000, F16L0005020000	(71)Name of Applicant : 1)CGC Technical Campus Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Ashish Kumar
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(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	

(57) Abstract :

The present invention relates to a fruit and vegetable protection device, comprising of two hemispherical frames that form a hollow casing 1 upon being secured together at peripheries for encasing at least one fruit and/or vegetable 7, an aperture 2 defined at rear end of the casing 1 upon being secured for receiving stem attached to the fruit/vegetable 7, multiple concave ended surfaces 6 extending from interior of the casing 1 for engaging the fruit/vegetable 7, such that the surface 6 maintains displacement between the interior and periphery of the fruit/vegetable 7 by an amount sufficient to preclude an external attack, multiple openings 3 engraved on the casing 1 for permitting air and sunlight to circulate through the casing 1, at least one sprinkler hose 4 sculpted on the casing 1 for sprinkling chemical substances on the plant and a valve fastened at rear end of the hose 4 controls flow of the substances entering from an external source 5.

No. of Pages : 12 No. of Claims : 7