

ICAR-Central Institute for Women in Agriculture, Bhubaneswar

Name of Innovation	Farmer's /Innovator's Name	Brief Description	Photographs
Easy Harvest Bag	ICAR-CIWA	<p>The harvesting bag reduces the number of trips of agriculture workers by easy loading and unloading of produce in bulk amount. The developed harvest bag provides an ergonomic intervention which mitigates the postural discomfort, eliminating twisting of wrist, neck and trunk. The capacity of picking increases when the subject used the developed harvesting bag irrespective of the gender. The work pulse (ΔHR) for female and male while using bag is lower than the limit of continuous performance i.e. 40 beats/min. The VO_2 consumption of female and male while using bag is lower than the allowable work load i.e. 35 % VO_2 max. The use of bag reduces the effort of the extensor muscle (23 to 55%) thus reducing the force exerted on the L5/S1 joint. When load is head mounted, centre of gravity of body shifts upwards, leading to a high risk of imbalance. Use of the bag shifts the centre of gravity lower, which increases the stability of labour.</p>	