

## Results of competition: Agri-Tech Catalyst - Late stage - round 2

Total available funding for this competition was £0.39m from Innovate UK/Department of Business, Innovation and Skills, the Department for International Development.

**Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.**

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Grove Smith Turkeys Ltd (lead) Anglia Autoflow Limited	The design and prototyping of a controlled atmosphere stunning system for farm based poultry producers and processors	£581,770	£203,620
<b>Project description - provided by applicants</b>			
<p>The aim of this project is to develop a process of slaughtering poultry species by using gas stunning in a controlled atmosphere. This will achieve higher welfare standards by ensuring birds are subjected to minimal handling and stress prior to killing, whereby they simply lose consciousness and become insensitive to pain.</p> <p>The design of this equipment will ensure it is suitable for and can be afforded by smaller farm based producer - processors .In addition to the higher welfare standards this proposed system will achieve there are very positive benefits in the quality of meat produced due to the lower stress levels to which birds are subject to.</p>			

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<p><b>Russell IPM Limited (lead)</b> ACI Formulations Limited, Bangladesh Association of Mango growers Tanzania Bangladesh Agricultural Research Institute (BARI) Bytrade Tanzania Ltd CEAPRED, (NGO, Nepal) Dahal Trading Concern, Nepal; Elgon Kenya Ltd EPRC, (NGO, Bangladesh) ICIPE, Kenya National Agriculture Research Council (NARC) Nepal</p>	<p>Demonstration and commercialization of biorational pheromone based male and female attract and kill system for the successful control of fruit flies in Asia and Africa.</p>	<p>£341,729</p>	<p>£185,948</p>
<p><b>Project description - provided by applicants</b></p>			
<p>Damage caused by fruit flies is a huge problem, both in the developed and developing world. The insects lay eggs in soft fruit and vegetables which means the food rots and cannot be harvested. Fruit flies cannot be controlled effectively by insecticides because farmers in developing countries cannot afford to buy them and in addition, the fruit flies have become resistant so that the chemicals do not work.</p> <p>An increase in the productivity of soft fruit and vegetables is a vital part of the development of these countries as it will allow farmers to grow and harvest more produce for their own use and to sell to the lucrative overseas markets. Russell IPM has developed a highly effective and safe biological system for controlling fruit flies which utilises food and sexual attractants to lure the insects into traps. This project will test and promote this technology in Africa and Asia.</p>			