

## IPM: Integrated Management of Insects, Diseases and Weeds in common bean

Smart Solutions for Safer Farming

IPM is a holistic approach to managing pests, diseases, and weeds in common bean cultivation, emphasizing environmental sustainability and food safety. It reduces reliance on chemical pesticides and promotes natural control mechanisms for crop productivity and food security.



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				Technology from
This technology is <b>TAAT1 validated</b> .			readiness: idea maturity vel of use 7/9	ProPAS
Gender assessment		Climate impact		Commodities Common bean
<ul> <li>Problem</li> <li>Common beans face threats from pests and diseases, affecting productivity.</li> <li>Chemical pesticides, though effective, pose health and environmental risks and can lead to pest resistance.</li> <li>Poor pest management can result in food insecurity and income loss for bean growers.</li> <li>Overreliance on pesticides disrupts natural ecological balance and control mechanisms.</li> </ul>		<ul> <li>Solution</li> <li>Holistic approach to crop protection</li> <li>Minimization of chemical pesticide usage</li> <li>Balanced ecosystems maintenance</li> <li>Understanding beneficial organisms' life cycles and interactions</li> <li>Utilization of strategies like natural predator release and cultural practices</li> <li>Effective against common bean pests, diseases, and weeds</li> <li>Adaptability to diverse soil and climate conditions</li> </ul>		Sustainable Development Goals 2 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
In <b>6,000 usb</b> Operation cost per year		bionies of parasitoid wasps 25 - 35 usD/Ha Pre-emergence herbicides	<b>Open source / open access</b>	Best used with
IPM Enquiries <u>e-catalogs@taat.africa</u> https://e-catalogs.taat-africa.org/org/technologies/ipm-integrated-management-of-insects-diseases- and-weeds-in-common-bean Last updated on 6 November 2024, printed on 10 December 2024				