

# Sustainability Investment Criteria

October 2019

Syngenta is committed to investing US\$2 billion over a five-year period to advance sustainable agriculture. By sustainable agriculture, we mean agriculture that delivers benefits to farmers, society and nature today and in the future.

Our investment model will direct resources toward products, services, programs, partnerships and capital expenditures, that offer a clearly differentiated sustainability benefit or are breakthrough technologies enabling a step change in sustainability. These investments will be distinct from those we make as part of good practice and will – wherever possible – benefit large-scale and smallholder farmers and contribute to meeting the United Nations Sustainable Development Goals.

## Our Five Step Assessment Process

### Define the Opportunity

Investments associated with research and development products, mergers and acquisitions, partnerships, capital expenditures or programs can be evaluated using this process.



### Determine Alignment with Priorities

- Practices and outcomes-based investments deliver measurable benefit above and beyond business as usual, towards implementing or achieving significant sustainability outcomes.
- Operational investments deliver measurable progress towards meeting Syngenta's ambitious waste-generation, water-use, health-and-safety and greenhouse-gas targets.

### Assess Net Benefit

All investments must demonstrate that they offer a significant net benefit compared with the current alternative.



Step 1

Step 2

Step 3

Step 4

Step 5



### Choose Assessment Path

Investments may contribute to the target via two paths:

- Practice or outcomes-based investments contribute to or facilitate the adoption of the sustainability priorities in Step 3.
- Operations-based investments help us produce sustainable products to reduce the net environmental footprint.



### Define Alternative (Comparable)

Is there already a comparable product or programme on the market? Investments that are not unique must be compared to existing products or programs in Step 5.



## Priority Practices and Outcomes

Our investments aim to advance specific practices and outcomes.

The priority practices are:

- Integrated pest management – including scouting and cultural, biological, mechanical/physical, and targeted precise chemical controls
- Nutrient management
- Continuous living cover systems
- Reduced tillage
- Multifunctional field margins
- Water-use efficiency and effectiveness
- Integrated crop-livestock systems

Our priority outcomes are classified as “good practice” or “breakthrough” (see table below). Only investments that contribute to breakthrough outcomes will count.

Good Practice	Breakthrough
<b>Develop solutions for quality food, feed, fibres and fuel</b>	
<ul style="list-style-type: none"> <li>• Improve access to affordable food</li> <li>• Improve resource efficiency</li> <li>• Protect crops from pests and disease</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the quality and nutritional value of crops</li> <li>• Reduce pesticide residue levels on food</li> <li>• Reduce post-harvest loss and/or prolong shelf life</li> </ul>
<b>Improve soil health and support climate smart agriculture</b>	
	<ul style="list-style-type: none"> <li>• Improve climate resilience and/or adaptation</li> <li>• Improve soil structure and reduce erosion</li> <li>• Remediate polluted and degraded soils</li> <li>• Reduce net greenhouse gas (GHG) emissions and/or sequester carbon</li> </ul>
<b>Enhance safety and wellbeing</b>	
<ul style="list-style-type: none"> <li>• Improve well-being of local communities and realize rural development</li> <li>• Reduce unfair labor conditions</li> <li>• Protect human health and safety (product safety)</li> <li>• Respect farmer and community knowledge and traditions</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce applicator/farmer exposure to pesticides (advanced stewardship that goes beyond training and labels)</li> </ul>
<b>Protect natural resources</b>	
	<ul style="list-style-type: none"> <li>• Increase water-use efficiency and effectiveness and/or protect water quality</li> <li>• Enhance biological ecosystem service provision</li> <li>• Minimize pesticide residue levels in the environment</li> </ul>
<b>Promote open communication, partnership and shared value</b>	
<ul style="list-style-type: none"> <li>• Share accurate, accessible and easy-to-understand information and data to product users and the public</li> </ul>	<ul style="list-style-type: none"> <li>• Accelerate the development of sustainable and responsible agricultural practices</li> </ul>