

Table 8: E-AGRICULTURE ACTION PLAN FOR SRI LANKA (2016-2020)

	Name of e-agriculture solution	Impact	Exists	Dependency	Feasibility	MUST SHOULD WOULD COULD	2016	2017	2018	2019	2020
		High (H), Medium (M), Low (L)									
1	Integrated natural resource management information system	H	L	H	L	MUST					
2	Social network amongst agriculture users	M	H	H	H	MUST					
3	E-Agriculture advisory services (with possible consumer protection)	H	M	H	M	MUST					
4	Capacity development and education using ICT	H	L	H	M	MUST					
5	E-market place for agriculture	H	L	H	H	MUST					
6	Agromet data and services	H	M	H	M	MUST					
7	Accessible information resources on government policies and guidelines	H	H	H	H	MUST					
8	Electronic banking and payment	H	M	H	H	MUST					
9	Credit rating and loan availability	M	M	H	H	MUST					
10	Setting up / strengthening of IVR systems	H	H	M	H	MUST					
11	E-Agriculture extension monitoring	H	L	H	M	MUST					
12	Universal mobile broadband connectivity, deployment of low cost mobile phones, tablets	H	M	H	M	MUST					

13	Integrate e-Agriculture services with G2C	H	M	H	H	MUST					
14	ICT policy on data sharing, data classification, data formats, secure e-documents	H	L	H	H	MUST					
15	Database of approved chemicals, fertilizers	H	H	M	H	MUST					
16	Data capture and analytical tool	H	L	H	L	MUST					
17	Plant genetic resource database	M	H	M	H	MUST					
18	Global plan of action for plant genetic resources-information sharing mechanism	M	H	M	H	MUST					
19	Central database of research programme and new technologies	H	L	M	H	MUST					
20	Database for seed and planting material	H	M	H	H	MUST					
21	Interoperable and secure e/m-agriculture applications platform with content	H	L	H	M	MUST					
22	E/M App for certification standard, compliance and traceability	H	L	M	M	MUST					
23	Commodity outlook modeling	H	L	H	H	MUST					
24	Central database of agriculture statistics	H	M	H	H	MUST					
25	Credible GAP content aggregation and packaging	H	L	L	M	SHOULD					
26	Logistics (storage and transport) information linking agriculture service providers and markets	H	L	M	M	SHOULD					

27	Information on climate smart technologies and Climate resilient crops & breeds	M	L	H	M	SHOULD					
28	Farm mechanization information and service	H	L	L	M	SHOULD					
29	Information on enabling environment and agri-business opportunities	H	L	H	M	SHOULD					
30	Policy guidelines and support to agri insurance providing companies	H	L	L	H	SHOULD					
31	Nutrition sensitive agriculture content	H	L	M	M	SHOULD					
32	Agriculture Early warning system	H	L	H	M	SHOULD					
33	Online compensation for crop and livestock affected	H	L	L	M	SHOULD					
34	Electronic Pest surveillance system	H	L	M	M	SHOULD					
35	Online food quality and safety verification and bio-safety monitoring	H	L	M	M	SHOULD					
36	Linking research institutes with industry, extensions, producers and other stakeholders	H	M	H	M	SHOULD					
37	Remote video based surveillance	M	L	M	L	SHOULD					
38	Monitoring of compliance to government policies, guidelines	H	L	H	M	SHOULD					
39	Traceability of agro-chemical movement through value chain	H	L	M	L	SHOULD					
40	Climate change modeling	H	L	M	M	SHOULD					
41	Online information on offseason crop production technology package	M	M	L	H	WOULD					
42	Smart water management	H	L	M	L	WOULD					

43	Certified higher yielding seeds / planting/ breeding materials verification and traceability	M	L	M	M	WOULD					
44	GIS wildlife movement (e-wildlife surveillance), Area mapping of wildlife crop damage/prone, Online system for wildlife conflict management, wild life cyber tracking and alert	H	L	L	M	WOULD					
45	Information on fertilizer history by land area	M	L	M	M	WOULD					
46	Online Agriculture workforce information and services	M	L	L	L	COULD					
47	Monitoring of groups / cooperatives through online systems	M	L	L	M	COULD					
48	Traceability and DNA bar coding of prioritized species	L	L	M	M	COULD					