

Best Practice 2: Data Entry

The recently developed and implemented Agricultural Information Management System (AIMS) seeks to support SADC Member States in data gathering, storage, processing, and analysis. The system itself is an integrated web-based application and has an Application Programming Interface to ensure interoperability with other systems within the SADC region or externally.

The AIMS infrastructure is designed to enable each Member State to share agricultural information in a standardized format, and to ensure that up-to-date information is readily available for reporting and evidence-based decision-making. Member States share information by using a harmonized data entry questionnaire (Figure 1) or by directly using the built-in data entry module (Figure 2).

		2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
1	Core Crops Items													
2	Barley	Area Planted (Ha)												
3		Area Harvested (Ha)												
4		Production on Area Harvested (Tons)												
5		Production on Area Planted (Tons)												
6	Maize	Area Planted (Ha)												
7		Area Harvested (Ha)												
8		Production on Area Harvested (Tons)			35,862	76,608	51,030	53,553	14,857	104,197	45,267	56,051	101,425	65,388
9		Production on Area Planted (Tons)			7,278	24,633	12,265	11,861	3,792	28,550	3,844	7,677	35,222	10,572
10	Millet	Area Planted (Ha)												
11		Area Harvested (Ha)												
12		Production on Area Harvested (Tons)			3,420	11,003	2,538	4,400	2,843	6,850	8,120	7,516	10,729	9,476
13		Production on Area Planted (Tons)			902	2,462	1,099	1,264	555	3,398	1,391	1,959	2,511	3,406
14	Other cereals	Area Planted (Ha)												
15		Area Harvested (Ha)												
16		Production on Area Harvested (Tons)												
17		Production on Area Planted (Tons)												
18	Rice, paddy	Area Planted (Ha)												
19		Area Harvested (Ha)												
20		Production on Area Harvested (Tons)												
21		Production on Area Planted (Tons)												
22	Sorghum	Area Planted (Ha)												
23		Area Harvested (Ha)												
24		Production on Area Harvested (Tons)			28,674	55,477	16,512	31,255	25,863	50,198	32,295	35,434	48,719	57,475
25		Production on Area Planted (Tons)			35,961	48,621	5,975	23,265	35,508	14,310	10,231	24,021	32,591	32,767

Figure 1: AIMS Harmonized data entry questionnaire

SADC Member States have been allocated data entry questionnaires which are compatible with the AIMS web application. The questionnaires have meta-data that are aligned with agricultural indicators that provide monitoring functionality against the Regional Indicative Strategic Development Plan (RISDP).

These two options are the only recommended approaches to ensuring that the information submitted to the AIMS is always up to date, which will facilitate quality, real-time reporting. This means that decision-making by the Member States will be based on the latest information retrieved from the regional database.

Data Entry / Botswana / Livestock

Livestock

Animal Products

Remarks

SAVE

RESET

Animal Products		2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Beef	Food Consumption (Tons)			55	66	200	269	221	182	256	50	156	172	76
	Production (Tons)		107	225	197	124	157	238	203	278	261	50	205	270
Chicken	Food Consumption (Tons)		131	215	100	97	83	50	112	213	189	210	239	85
	Production (Tons)		59	134.5	173	185	52	230	76	84	253	165	213	197
Chicken eggs	Food Consumption (Tons)		149	279	270	253	256	264	193	79	175	218	228	177
	Production (Tons)		53	181	173	265	244	79	268	84	223	149	63	127
Cow milk	Food Consumption (Tons)		106	86	154	53	161	238	252	245	249	116	204	108
	Production (Tons)		81	500	164	162	167	179	180	123	251	279	208	203
Duck meat	Food Consumption (Tons)		241	151	255	53	244	234	239	277	125	139	182	269
	Production (Tons)		134	143	68	54	149	81	68	220	138	83	86	155
Goat milk	Food Consumption (Tons)		165	118	204	142	152	144	161	53	251	196	103	232
	Production (Tons)		270	194	70	130	155	81	91	59	183	160	115	233
Guinea fowl meat	Food Consumption (Tons)		166	125	272	146	190	271	245	201	267	278	161	76
	Production (Tons)		173	54	203	70	66	144	203	53	123	58	65	127
Hides	Food Consumption (Tons)		111	202	191	52	87	194	238	235	115	91	208	228
	Production (Tons)		113	270	88	217	149	79	104	77	204	253	176	144
Mohair	Food Consumption (Tons)		171	98	137	219	216	269	224	78	71	99	88	139
	Production (Tons)		227	175	266	259	203	228	246	87	85	85	240	162

Figure 2: The built-in data entry module