

## 1. Agricultural Production

### 1.1. Major crops grown in the woreda

No.	Subsistent crop		Cash crop	
	Annual	Perennial	Annual	Perennial

### 1.2. Major crops grown and average yield in each cropping seasons

No.	Name of crop	Major cropping seasons			
		Meher (✓)	Yield in quintal	Belg (✓)	Yield in quintal

### 1.3. Cropping calendar

No	Name of crop	Cropping seasons							
		Meher				Belg			
		Plowing	Sowin g	Weedin g	Harvestin g	Plowing	Sowin g	Weedin g	Harvestin g

### 1.4. Cultivated land allocation

No.	Cropping seasons	Cultivated land in hectare
1	Belg	
2	Meher	
3	Both Belg and Meher	
4	Perennial crops	

5	Total cultivated land	
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1.5. The dominant type of soils found in the woreda and its coverage in percent

	<u>Type of soil</u>	<u>Coverage in percent</u>
1.	-----	-----
2.	-----	-----
3.	-----	-----

**2. Natural resources**

2.1. The size of **natural forest** found in the woreda along with its primary tree species composition:

- Area -----
- Major tree species -----
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2.2. The size and species of **plantation forest** found in the woreda:

- State forest: Area-----, dominant tree species-----
- Community forest: Area-----, dominant tree species-----
- Private forest: Area-----, dominant tree species-----

2.3. The name and area of **protected forest** found in the woreda: name-----, total area coverage-----

2.4. The number of forest nursery located in the woreda:

1. Government -----
2. Community -----
3. NGO -----
4. Others -----

2.5. Distribution of farmland size, in percent, per household:

No.	Farmland size	Percentage of landowners
1	Below, 0.5 ha.	
2	0.5-1.0 ha.	
3	1.0-1.5 ha.	

4	1.5 – 2.0 ha.	
5	2.0 – 2.5 ha	
6	2.5 – 3.0 ha	
7	Above 3.0 ha.	

2.6. Average farm land size (ha) \_\_\_\_\_

2.7. Total area of the woreda \_\_\_\_\_ hectare

2.8. Total number of kebeles in the woreda \_\_\_\_\_

2.9. The number of identified watersheds \_\_\_\_\_

2.10. Altitude range of the woreda from \_\_\_\_\_ to \_\_\_\_\_, average \_\_\_\_\_

2.11. Mean annual rainfall \_\_\_\_\_

2.12. Temperature: Maximum \_\_\_\_\_ minimum \_\_\_\_\_ mean \_\_\_\_\_

2.13. Land slope class area in percentage:

1. Flat or almost flat 0-3% slope \_\_\_\_\_%
2. Gently sloping 3-8% slope \_\_\_\_\_%
3. Sloping 8-15% slope \_\_\_\_\_%
4. Moderately steeply 15- 30% slope \_\_\_\_\_%
5. Steeply 30-50% slope \_\_\_\_\_%
6. Very steeply greater than 50% slope \_\_\_\_\_%

2.14. Agro-ecological zone in percentage

1. Kola \_\_\_\_\_%
2. Woina dega \_\_\_\_\_%
3. Dega \_\_\_\_\_%

4. Wurch \_\_\_\_\_%

2.15. Major land use pattern in the woreda

- Agricultural land: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Forest land: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Grazing land: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Wet land: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Degraded land: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Settlement: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_
- Others: area in (ha) \_\_\_\_\_ percent \_\_\_\_\_

### 3. Service Institution

The number of agricultural input supply organizations found in the woreda

- Public -----
- Farmer's cooperatives/unions -----
- Others -----





#### 4. Water Supply

##### 4.1. Sources of water for domestic use and agriculture

No.	Source of water	Beneficiaries of different water sources for domestic and agricultural purpose in %					
		Drinking	Food preparation	Cleaning	Livestock	Irrigation	Total
1	River						
2	Developed spring						
3	Undeveloped spring						
4	Pond						
5	Hand-dug well						
6	Rural pipe system(RPS)						
7	Motorized						
8	Others						

No.	Woreda	Types of Water Schemes			
		Spring development	Hand-dug wells	Shallow wells	Beneficiaries





## 5. Irrigation

### 5.1. Irrigation Performance

No.	Type of irrigation	Irrigation Potential (ha)	Total irrigated land (ha)	Number of beneficiary households			Average irrigated land holding per household	Major crops grown under irrigation
				Male	Female	Total		
1	Traditional							
2	Small scale							
3	Medium-scale							
4	Large scale							

### 5.2. Yield of major crops grown under irrigation

	<u>Primary Crops</u>	<u>Yield/ha</u>
1.	-----	-----
2.	-----	-----
3.	-----	-----

5.3. The number of **permanent** rivers found in the woreda and, if possible, its discharge potential along with its name

	<u>Name of river</u>	<u>Flow potential (m<sup>3</sup>/s)</u>
1.	-----	-----
2.	-----	-----

5.4. The number of **seasonal** rivers, its flow period, flow potential and name

	<u>Name of river</u>	<u>Flow period</u>	<u>Flow potential (m<sup>3</sup>/s)</u>
1.	-----	-----	-----
2.	-----	-----	-----

**6. Significant problems and strategic issues**

6.1. Major development problems of the sector

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6.2. Key strategic issues in the sector

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**Table 1: Traditional Irrigation performance of Angar basin at farmer level (Source; Office of woredas irrigation development)**

Woredas (villages)	Types of irrigation	Irrigation potential (ha)	Total irrigated land	No. of beneficiary households			Ave. irrigated land holding per household(ha)	Major crops grown under irrigation
				Male	female	Total		
Abbay Dengoro	Traditional	8409	3964	8928	466	9394	0.5	Potato, onion, tomato, Gr/papper, cabbage, maize
	Small scale							
	Mid&large							
Amuru	Traditional	2476	2015	2740	396	3136	0.6	Potato, tomato. Gr.peper, tomato
	Small scale	936	36	145	59	204	0.2	
	Mid&large							
Ebantu	Traditional	3404	2773	4205	275	4480	0.6	Potato, onion, tomato and maize
	Small scale	-	-	-	-	-	-	
	Mid&large	-	-	-	-	-	-	
Gida Ayana	Traditional	3909	3875	9107	116	9223	0.42	Onion, tomato, maize, potato, cabbage, carrot etc
	Small scale	25	25	186	14	200	0.125	
	Mid&large							
Kiramuru	Traditional	2304	1309	3953	507	4460	0.25	Potato, tomato, onion etc
	Small scale	2304	1309	3953	507	4460	0.25	
	Mid&large	-	-	-	-	-	-	
Gobu Sayo	Traditional	674	637	2019	225	2244	0.28	Onion ,tomato etc
	Small scale	-	-	-	-	-	-	
	Mid&large	263	246.25	637	120	757	0.35	
Gudeya Bila	Traditional	4240.5	3369	3940	985	4925	0.25-1	Potato and maize
	Small scale	40	36	125	77	202	0.25	
	Mid&large	-	-	-	-	-	-	

Guto Gida	Traditional	-	5165.5	6554	760	7314		Maize,potato,tomato,onion,ca rrot,cabage
	Small scale	-	184	253	25	278		
	Mid&large	-	-	-	-	-	-	
Horro	Traditional	4127	3987	7337	2290	9621	0.25	onion, potato, tomato, garlic, beetroot
	Small scale	294	56	123	77	196	0.5	
	Mid&large							
Woredas	Types of irrigation	Irrigation potential (ha)	Total irrigated land	No. of beneficiary households			Ave. irrigated land holding per hose hold(ha)	Major crops grown under irrigation
				Male	female	Total		
Jardega Jarte	Traditional	1965	1900	5252	1748	7600	0.25	potato,tomato.onion
	Small scale	4256	4180	6970	1390	8360	0.167	
	Mid&large	-	-	-	-	-	-	
Jima Geneti	Traditional	8973	6737	10427	1788	12215	0.25	maize,tomato,potato,papper barely ,onion etc
	Small scale	360	51	88	16	104	0.125	
	Mid&large	-	-	-	-	-	-	
Limu	Traditional	3570	5793	6043	1097	7140	0.25	Maize,tomato,potato,papper etc
	Small scale	-	-	-	-	-	-	
	Mid&large	-	-	-	-	-	-	
Haro Limu	Traditional	3241	2302.25	5136	555	5691	0.4	Onion, tomato, maize, potato, cabbage, beet root,etc
	Small scale							
	Mid&large	-	-	-	-	-	-	
Blao Gegainfid o	Traditional							Data Not available
	Small scale							
	Mid&large							
Sasiga	Traditional	7856	3975	8011	693	8704	0.75	Cereal crops, root and tuber crops, vegetable crops, fruit crops, and others
	Small scale	1234	570	2897	110	3007	0.25	
	Wet land	1650	1150	1580	144	1724	0.25	

Waheyu Tuka	Traditional	6840	6840	9927	1314	11241	0.25	Maize,tomato,potato,papper etc
	Small scale	279	279	326	78	404	0.25	
	Mid&large	97	97	121	16	137	0.25	
Sibu Sire	Traditional	7500	6823	7000	1128	8128	0.839	Onion, tomato, maize, potato, cabbage, carrot etc
	Small scale	250	200	460	155	615	0.325	
	Mid&large	-	-	-	-	-	-	