



**REPUBULIKA Y'U RWANDA  
INTARA Y'AMAJYEPFO  
AKARERE KA NYARUGURU**



# **IMITERERE Y'UBUHINZI MU KARERE KA NYARUGURU**

**UKWAKIRA, 2016**

# Ibikubiye mu kiganiro

1. Incamake
2. Imiterere y'Akarere mu buhinzi;
3. Guhuza ubutaka hahingwa ibihingwa byatoranyijwe;
4. Kongera umusaruro w'ibihingwa ngandurarugo byatoranyijwe;
5. Guteza imbere ibihingwa byoherezwa mu mahanga;
6. Gukoresha inyongeramusaruro n'imbuta z'indobanure;
7. Kurwanya isuri hakorwa amaterasi ndinganire;
8. Gutunganya ibishanga;
9. Guteza imbere ibikorwa remezo mu buhinzi no kongerera agaciro umusaruro;
10. Gahunda ya girinka;
11. Gutanga amatungo magufi;
12. Umusaruro w'ubworozi;

# 1.Incamake

## Ubuso bukorewaho ubuhinzi

- Ubuso buhingwaho bugera kuri ha 55,000
- Ubuso bukozeho amaterasi ni ha 4,617.04
- Ubuso burwanijeho isuri ni 92.5%
- Ubuso buteye icyayi ni ha 5,142.15
- Ubuso buteyeho ikawa ni ha 1,964.7
- 64,028 ha by'ibihingwa byatoranijwe
- Inganda zitunganya umusaruro ni 3 zicyayi, 7 itunganya umusaruro wa kawa ;
- Inganda nto ziciriritse zitunganya umusaruro w'ibigori Ruheru na Rusenge, harimo kubakwa urundi muri Kibeho na Cyahinda.

# Incamake

## Ubworozi

- Inka zimaze gutangwa muri gahunda ya girinka kuva yatangira ni 10,563;
- Amatungo magufi:
- Gukingira inka: 18,000-20,000 buri mwaka;
- Gutera intanga: Inka byibura 1,200 buri mwaka;

# 2.Imiterere y'Akarere k'ubuhinzi

- Akarere kagizwe n'ibice 2 (microclimate)
- Igice cy'imisozi miremire cyegereye Pariki y'Igihugu ya Nyungwe cyeramo :
  - Ibishyimbo bya mushingiriro
  - Ibirayi
  - Ibigori
  - Ingano
  - icyayi
- Igice cy'imisozi icirirtse cyegereye Akarere ka Huye na Gisagara cyeramo
  - Imyumbati
  - Ibigori
  - Ibishyimbo
  - Amashaka
  - Kawa

NB :igice cyegere parki ya Nyungwe gifite ubusharire bw'ubutaka cyane kurasha igice cyegerere Akarere ka Huye na gisagara

# Ibihingwa bya buri guhembwe cy'ihinga

- **Igihebwe cy'ihinga cya A hahingwa :**
  - Ibishyimbo
  - Ibirayi
  - Ibigori
  - Imyumbati
- **Igihembwe cy'ihinga cya B hahingwa :**
  - Ibishyimbo bya mushingiriro
  - Ibirayi
  - Ibigori
  - Ingano
- **Igihembwe cy'ihinga cya C**
  - Ibigori
  - Imboga
  - ibirayi

NB : mu gihembwe cy'ihinga C ibigori bihingwa cyane mu mirenge ya Busanze na Ruheru

### 3.Guhuza ubutaka hahingwa ibihingwa byatoranyijwe (ha)

Igihingwa	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
Ibishyimbo	25613	35361	37197	41,088	43,167
Ibirayi	3,705	4,169	5,640.70	7,159	7,640.30
Ibigori	4,073	4,481.20	5321.8	6,037	6,492.30
Ingano	4901	5279	6020.5	6300.8	6,728.7
Igiteranyo	38292.00	49,290.20	54,180.00	60,584.80	64,028.30

**Ubuso buhingwaho ingano n'uburyo bwagiye bwiyongera kuva 2011/2012  
kugeza 2015/2016**

<b>Umurenge</b>	<b>Umwaka wa 2011/2012</b>	<b>Umwaka wa 2012/2013</b>	<b>Umwaka wa 2013/2014</b>	<b>Umwaka wa 2014/2015</b>	<b>Umwaka wa 2015/2016</b>
<b>BUSANZE</b>	763	867	922	972	1000.1
<b>KIVU</b>	912	1,016	1389	1221	1437
<b>MATA</b>	21	19	16.5	21	27
<b>MUGANZA</b>	876	973	1052	1018	1240
<b>MUNINI</b>	59	65	71	54	69
<b>NYABIMATA</b>	987	987	1104	1380.5	1459.7
<b>RUHERU</b>	1197	1,261	1353	1516	1552
<b>RURAMBA</b>	86	91	113	118.25	141
<b>Akarere</b>	<b>4,901.0</b>	<b>5,279.0</b>	<b>6,020.5</b>	<b>6,300.8</b>	<b>6,925.8</b>



## Ubuso buhingwaho ibirayi n'uburyo bwagiye bwiyongera kuva 2011/2012 kugeza 2015/2016

Umurenge	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
<b>BUSANZE</b>	110	127	327.5	902.5	702
<b>CYAHINDA</b>	125	128.5	134.5	215	197
<b>KIBEHO</b>	187	230	233	236	237
<b>KIVU</b>	387	417	635	743	853
<b>MATA</b>	147	235	221	236	241.6
<b>MUGANZA</b>	476	503	803	845	1043
<b>MUNINI</b>	78	97	118	306.5	314
<b>NGERA</b>	45	70	50	60	52
<b>NGOMA</b>	98	122	277	199	249.3
<b>NYABIMATA</b>	346	353.3	524.7	843.5	869.9
<b>NYAGISOZI</b>	40.5	45.5	61	62	76
<b>RUHERU</b>	1379	1515	1912	1894	2197
<b>RURAMBA</b>	119	122	123.5	336	352
<b>RUSENGE</b>	167	204	220.5	280.3	256.5
<b>Akarere</b>	3,705	4,169	5,640.70	7,159	7,640.3

**Ubuso buhingwaho ibishyimbo n’uburyo bwagiye bwiyongera kuva  
2011/2012 kugeza 2015/2016**

<b>Umurenge</b>	<b>Umwaka wa 2011/2012</b>	<b>Umwaka wa 2012/2013</b>	<b>Umwaka wa 2013/2014</b>	<b>Umwaka wa 2014/2015</b>	<b>Umwaka wa 2015/2016</b>
<b>BUSANZE</b>	1710	1794	1986	1,992	2014
<b>CYAHINDA</b>	1902	3890.8	3722	4,180	4335
<b>KIBEHO</b>	2720	4088	3980	4,381	4386
<b>KIVU</b>	192	382	569	603	773
<b>MATA</b>	2616	2723	3067	3,124	3167
<b>MUGANZA</b>	1004	1077	1221	1,248	1635
<b>MUNINI</b>	1758	2691	2766	2,893	3740
<b>NGERA</b>	2750	3712	4033	4,123	4797
<b>NGOMA</b>	3394	3200	4344	5,157	5020
<b>NYABIMATA</b>	255.1	349.2	393	540	700.2
<b>NYAGISOZI</b>	2087	3838	3771	4,011	4210.5
<b>RUHERU</b>	326	527	534	436	516
<b>RURAMBA</b>	2004	2747	3022	3,319	3900
<b>RUSENGE</b>	2895	4342	3789	5,081	3973.5
<b>Akarere</b>	<b>25,613</b>	<b>35,361</b>	<b>37,197</b>	<b>41,088</b>	<b>43,167</b>

## Imbonerahamwe igaragaza ubuso buhingwaho ibigori n'uburyo bwagiye bwiyongera kuva 2011/2012 kugeza 2015/2016

Umurenge	Umwaka wa 2011	Umwaka wa 2012	Umwaka wa 2013	Umwaka wa 2014	Umwaka wa 2015
BUSANZE	470	550	691.3	740	867
CYAHINDA	111	128	130	285	265
KIBEHO	96	112	121	126.5	127.6
KIVU	536	557	631	762	864
MATA	46	56	66	88	112.5
MUGANZA	765	855	758	769	901
MUNINI	118	126	151.5	164.5	183.5
NGERA	67	76	80	154	152
NGOMA	156	189	216	208	229
NYABIMATA	457	505	525	617	632.7
NYAGISOZI	152	161	187	150	183
RUHERU	914	936	1504	1642	1673
RURAMBA	109	136	121	181	180
RUSENGE	76	94.2	140	149.5	122
<b>Akarere</b>	<b>4,073</b>	<b>4,481.20</b>	<b>5321.8</b>	<b>6,037</b>	<b>6,492.3</b>

## 4. Kongera umusaruro w'ibihingwa ngandurarugo byatoranyijwe (T/ha)

Igihingwa	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
Ibigori	2.82	2.98	3.06	3.22	3.27
Ibishyimbo	0.87	1.55	1.59	1.67	1.78
Ibirayi	14.27	19.19	20.19	23.42	24.76
Ingano	2.64	3.08	3.42	3.45	3.58

## **5. Guteza imbere ibihingwa byoherezwa mu mahanga**

- Mu Karere ka Nyaruguru twashyize imbaraga mu kongera ubuso buteyeho ibihingwa bya kawa n'icyayi hagamijwe kongera umusaruro wabyo mu bwinshi no mu bwiza;
- Mu rwego rwo gukomeza kongerera agaciro umusaruro w'icyayi na kawa twashishikarije abashoramari kubaka inganda zitunganya umusaruro wa kawa n'icyayi;
- Imbonerahamwe ziikurikira ziratwereka uburyo ubuso buhinzweho kawa n'icyayi hamwe n'inganda zitunganya ibi bihingwa byiyongereye;

## Ubuso (ha) buhinzweho icyayi mu Karere ka Nyaruguru

Umurenge	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
BUSANZE	140.79	160.79	174.79	246.89	286.89
KIBEHO	156.5	196.5	334.06	424.91	537.91
KIVU	230.47	401.47	442.47	473.73	490.23
MATA	882.98	882.98	882.98	882.98	882.98
MUGANZA	356	479	541.39	559.89	587.89
MUNINI	0	0	133	309.68	540.68
NYABIMATA	1300	1300	1300	1306.4	1337.4
RUHERU	187	234	284.5	311.17	337.17
RURAMBA	141	141	141	141	141
<b>Akarere</b>	<b>3,394.74</b>	<b>3,795.74</b>	<b>4,234.19</b>	<b>4,656.65</b>	<b>5,142.15</b>

# Ubuso (ha) buhinzweho kawa mu Karere ka Nyaruguru

Umurenge	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
Busanze	137	137	148	178	212
Cyahinda	133	133	139.5	166.5	210
Kibeho	22	22	26	26	26
Mata	10	10	10	75	75
Munini	67	67	75	86.9	86.9
Ngera	129	170	230	298.8	310.8
Ngoma	267	278.2	368.2	425.7	471.3
Nyagisozi	194	194	262.78	262.78	262.78
Ruramba	12	12	12	31	31
Rusenge	116.88	166.88	227.42	278.92	278.92
<b>Akarere</b>	<b>1,087.88</b>	<b>1,190.08</b>	<b>1,498.9</b>	<b>1,829.6</b>	<b>1,964.7</b>

## 6. Gukoresha inyongeramusaruro n'imbuto z'indobanure;

- Hagamijwe kongera umusaruro w'ibikomoka ku buhinzi, mu Karere ka Nyaruguru kimwe n'ahandi mu Gihugu twakanguriye abahinzi gukoresha ifumbire mvaruganda n'imborera kimwe n'imbuto z'indobanure;
- Ifumbire mvaruganda ikoresheha mu Karere ka Nyaruguru ni DAP na Urea bikoresheha ku bihingwa by'ibigori, ingano, ibirayi n'ibishyimbo, hamwe na NPK ikoresheha ku bihingwa byoherezwa mu mahanga aribyo kawa n'icyayi, igihingwa cy'ibirayi n'urutoki;
- Imbuto z'indobanure zikoresheha ni **ibigori, ingano, ibirayi n'ibishyimbo**;
- Imbonerahamwe zikurikira zirawereka aho tugeze;



## Uburyo gukoresha inyongeramusaruro bihagaze mu Karere (%)

Inyongeramusaruro	Umwaka wa 2011 (%)	Umwaka wa 2012 (%)	Umwaka wa 2013 (%)	Umwaka wa 2014 (%)	Umwaka wa 2015 (%)
Ifumbire y'imborera	85	86	89	90.1	93
Ifumbire mvaruganda	35	39	45	55	61
Imbuto z'indobanure	42	43	44	39	45

**DAP: 696 T, Urea 274 T na NPK 130 T (2015/2016) kawa n'icyayi ntabwo ibariyemo. Imbuto yakoreshejwe ni toni 40 z'ibigori na toni 22 z'ingano**

## **7.Kurwanya isuri hakorwa amaterasi ndinganire;**

- Muri Gahunda yo gufata neza ubutaka no kurwanya isuri, Akarere ka Nyaruguru kashyize imbaraga mu gukora amaterasi y'indinganire;
- Muri iyi myaka itanu ishije yonyine hakoze amaterasi ndinganire ku buso bungana na ha 1717.04 ku bufatanye n'abafatanyabikorwa batandukanye barimo MINAGRI, World Vision, PAGOR, World Bank, KOICA n'abandi;
- Ibi byatumwe kuva kuri ha 2900 zari zikozweho amaterasi ndinganire muri 2011 maze tugera kuri ha 4617.04 muri 2015/2016

# Ubuso bwakozweho amaterasi kuva 2011/2012 kugeza 2015/2016

Umurenge	Umwaka wa 2011/2012	Umwaka wa 2012/2013	Umwaka wa 2013/2014	Umwaka wa 2014/2015	Umwaka wa 2015/2016
BUSANZE	218	218	218	218	218
CYAHINDA	215	375.1	435.7	446.2	446.2
KIBEHO	208	368.4	408.52	419.15	599.15
KIVU	325	325	325	325	325
MATA	179	179	279	339.5	339.5
MUGANZA	257	257	257	257	367
MUNINI	345	345	405.7	455.8	455.8
NGERA	120	120	120	120	150
NGOMA	319	475	515.3	525.8	525.8
NYABIMATA	107	107	107	107	159
NYAGISOZI	107	107	107	107	107
RUHERU	231	231	231	231	341
RURAMBA	167	167	227.09	279.09	279.09
RUSENGE	102	253.1	293.7	304.5	304.5
<b>Akarere</b>	<b>2,900</b>	<b>3,527.60</b>	<b>3,930.01</b>	<b>4,135.04</b>	<b>4,617.04</b>

## 8. Gutunganya ibishanga

- Muri iyi myaka itanu ishize hatunganyijwe ibishanga ku buso bungana na ha 203;
- Mu Murenge wa Ngera hatunganyijwe igishanga cy' Akagera ku buso bungana na ha 65 ku bufatanye na MINAGRI na World Vision Rwanda;
- Mu Murenge wa Mata hatunganwa igishanga cy' Uwarurimbi kuri ha 11 nabwo ku bufatanye na World Vision Rwanda;
- Dufite kandi ibindi bishanga bya Rwoganyoni na Mazatukura (ha 52) n' Agatorove (75) nabyo byatunganyijwe ku bufatanye na KOICA muri Kibeho;

## **9. Guteza imbere ibikorwa remezo mu buhinzi no kongerera agaciro umusaruro**

- Mu gukomeza guteza imbere ibikorwa remezo mu buhinzi no kongerera agaciro umusaruro hubatwe ubwanikiro bw'ibigori burindwi (7) mu Mirenge ya Ngoma, Busanze, Nyagisozi, Muganza, Kivu na Ruheru;
- Hubatswe kandi ubwanikiro bw'ingano bubiri mu Mirenge ya Mugaza na Ruheru;
- Hagamijwe gukusanya no guhunika umusaruro hubatswe ibigega bitatu binini binuka imyaka mu Mirenge ya Mata, Kibeho, Munini na Muganza, byiyongera kuri bibiri twari dusanganywe maze tugira ibigega binini bihunika imyaka bitandatu;
- Mu gutunganya umusaruro w'ibigori umaze kuba mwinshi mu Karere kacu twashishikarije abashoramari kubaka no gushyiraho utuganda duto dutunganya umusaruro w'ibigori mu Mirenge ya Ruheru na Rusenge;
- Ubu ku bufatanye na KOICA hatangiye kubakwa ikigo cy'amahugurwa mu buhinzi kirimo n'uruganda rutunganya umusaruro;
- Dufite kandi amakusanyirizo y'amata (2) n'ubuki (1) nayo atangiye kwiyubaka;

## 10. Gahunda ya girinka (2006-2016)

Umurenge	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Total
Busanze	0	51	158	14	62	75	92	27	81	89	76	725
Cyahinda	0	63	104	52	58	61	148	83	72	113	33	787
Kibeho	9	59	83	30	56	89	46	96	159	63	165	855
Kivu	0	59	77	87	130	82	133	84	72	73	28	825
Mata	74	92	25	6	59	82	79	71	31	92	43	654
Muganza	0	0	0	0	0	0	0	0	614	25	86	725
Munini	26	10	15	11	50	72	96	51	66	71	45	513
Ngera	3	49	66	59	80	94	86	57	19	56	47	616
Ngoma	3	62	128	97	73	129	130	87	4	124	39	876
Nyabimata	0	31	96	27	46	53	104	58	43	76	75	609
Nyagisozi	58	88	64	62	58	128	74	139	87	106	59	923
Ruheru	0	47	181	36	23	49	65	72	58	51	66	648
Ruramba	14	45	102	7	55	62	94	139	81	155	43	797
Rusenge	0	92	242	72	107	46	144	95	83	112	17	1010
<b>Total</b>	<b>187</b>	<b>748</b>	<b>1341</b>	<b>560</b>	<b>857</b>	<b>1022</b>	<b>1291</b>	<b>1059</b>	<b>1470</b>	<b>1206</b>	<b>822</b>	<b>10,563</b>

## 11. Umusaruro w'ibikomoka ku bworozi

Umusaruro	Igipimo	Intangiriro 2010	Ibyagezweh o 2016
Amata	L/J	26,897	30,192
amagi	Umubare/kw ezi	17,832	30,467
Inyama	t/ukwezi	25,5	28
Impu	t/ukwezi	0,675	0,875
Ubuki	t/umwaka	32	46

## 12. Gutanga amatungo magufi 2015/2016

<b>UBWOKO YATANZWE</b>	<b>BW'AMATUNGO</b>	<b>UMUBARE WATANZWE</b>
<b>IHENE</b>		9,428
<b>INTAMA</b>		90
<b>INGURUBE</b>		1,523
<b>INKWAVU</b>		20,381
<b>INKOKO</b>		2,507
<b>TOTAL</b>		33,909



# Ingorane mu buhinzi

- Ubutaka busharira cyane;
- Ubutaka bworoshye butwarwa n'isuri cyane;
- Imisozi ihanamye cyane;
- Imvura nyinshi mu bihe by'ihinga;
- Amikoro y'abahinzi adahagije;
- Akarere kari kure y'imihanda minini;

# Amahirwe ari Nyaruguru

- Ubutaka buberanye n'ibihingwa; ngengabukungu na ngandurarugo( icyayi na kawa , ibirayi, ibigori, ingano, ibishyimbo....)
- Akarere kaberenye n'ubworozi;
- Akarere k'ubukerarugendo;
- Abaturage bafite ingufu kandi bazi gukora;
- Isoko ry'umusaruro (Huye u Burundi)

# Imbamba zafashwe mu buhinzi

- Gukoresha ishwagara mu butaka busharira;
- Gutera ibiti bivangwa n'imyaka n'ibindi ku misozi itandukanye
- Gukora amaterasi y'indinganire n'ayikora;
- Gukorera mu makoperative kugirango abahinzi bashobore kwibonera inyongeramusaruro;
- Guhingira hamwe bahuza imirima yabo (amatsinda ya twigire muhinzi)
- Gushyiraho abacuruza inyongera musaruro byibura muri buri kagari;
- Gukangurira abahinzi gukoresha ifumbire y'imborera (gukora no gukoresha compost) n'imvaruganda;
- Hashyizweho abajyanama b'ubuhinzi muri buri mudugudu kandi bahabwa amahugurwa ahagije;
- Kubyaza umusaruro ubutaka hahingwa icyayi na kawa;

# Imbamba zafashwe mu buhinzi

- Kwongerera abahinzi ubushobozi (ingendoshuri, amarushanwa, amahugurwa, ubukangura mbaga,..);
- Kongera ibikorwaremezo by'ubuhinzi (ibigega, ubwanikiro, gukora imihanda, inganda nto zitunganya umusaruro)

# Ibiteganyijwe mu buhinzi 2016-2017

- **Kongera umusaruro**
- Ibigori 4t/ha;
- Ingano 3,5t/ha;
- Ibirayi 30t/ha;
- Ibishyimbo 2t/ha;

# Ibiteganyijwe mu buhinzi 2016-2017

- **Gukoresha ifumbire**
- Ifumbire y'imborera 100% (gukora ifumbire ya compost ibirundo 4690;
- Ifumbire mvaruganda toni 1500
- Ishwagara 5,524 T
- Imbuto y'indobanure toni 70 (50 t z'ibigori na 20 toni z'ingano)

# **Ibiteganyijwe mu buhinzi 2016-2017**

- **Kongera umusaruro w'ibihingwa byoherezwa mu mahanga;**
- Icyayi toni 4182;
- Kawa toni 495;

# **Ibiteganyijwe mu buhinzi 2016-2016**

- **Gufata neza ubutaka**
- Amaterasi ndinganire 350
- Gutunganya ibishanga 58 ha



# **Ibiteganyijwe mu buhinzi 2016-2016**

- **Kongerera agaciro umusaruro**
- Inganda ziciriritse zitunganya umusaruro 1;
- Kongera ibigega bihunika imyaka 2
- Ubwanikiro bw'ibigori 2

# umwanzuro

- Akarere ka Nyaruguru ni akarere kaberanye n'ubuhinzi kuko n'ubutaka busharira twabonaga nk'ikibazo ubu ni ubutaka bwiza buberanye n'ibihingwa bya kawa n'icyayi;
- Gukoresha inyongeramusaruro n'imbuto z'indobanure twiyemeje bizatuma umusaruro urushaho kwiyoungera;
- Twese turasabwa gukangurira abahinzi bacu kuba abahinzi b'umwuga kandi bahingira isoko;
- Ibyangombwa byose byegerejwe abahinzi natwe tubegere maze murebe ngo ubuhinzi bwacu buratera imbere!

**DUKORANE  
UMURAVA,  
DUTERE IMBERE**