

INDWARA N'IBYONNYI

Indwara n'ibyonnyi ndetse n'ibyatsi bibi ni bimwe mu bigabanya ku buryo bugaragara umusaruro w'ibirayi.

Ni ngombwa kubirwanya kuko bishobora kugabanya umusaruro kugeza aho umuhinzi nta kintu na kimwe asarura.

Indwara zirimo amoko menshi: hari iziterwa na Virusi, iziterwa na bagiteri, iziterwa n'uduhumyo, ibibazo bijyanye n'imibereho y'igihingwa (ubutaka, uko gifashwe,...) ndetse n'ikirere cyangwa ijuru ry'ahantu igihingwa giteye.

Zimwe mu ndwara zikunda gufata igihingwa cy'ibirayi

- Indwara y'imvura
- Indwara ya kirabiranya
- Imfunyarazi (junjama)
- Indwara y'ubuheri



Indwara y'imvura



Indwara y'imvura

- **Ikiyitera:** indwara y' imvura ni indwara iterwa n'agahumyo . Ikunze kugaragazwa mu bihe by'imvura n'ubuhere bwinshi.
- **Aho ifata:** Amababi, uduti (imigozi) n'ikirayi
- **Ibimenyetso:** amababi n'uruti birababuka bigahinduka ikigina bikabora cyangwa bikuma.

Uburyo bwo kuyirwanya:

- Gutera amoko y' ibirayi yihanganira iyo ndwara
- Ibirayi byose bigomba kvanwa mu murima mu gihe cy'isarura
- Kurandura ibirayi byose byimejeje,
- Gusukira neza ibirayi ;

Mu bihe by'imvura nyinshi ndetse n'ubuhere:

- Tera umuti nka Ridomili (Ridomil) ku mababi hose **garama 50** zivanze muri **litilo 20** z'amazi ibirayi bikimera .



- Nyuma y'ibyumweru bibiri tera **umuti nka ditane cyangwa Mancozebe** ku mababi hose **garama 50** zivanze muri **litiro 20** z'amazi rimwe mu cyumweru.
- Gusimburanya ibirayi n'ibindi bihingwa bitari mu muryango umwe.

Indwara ya Kirabiranya (CYUMYA)



Ikirayi cyafashwe na kirabiranya

Kirabiranya iterwa n'agakoko ko mu bwoko bwa bagiteri . Iboneka mu butaka no mu mbuto byanduye ako gakoko.

Aho ifata: Amavangingo y'ikirayi.

Ibimenyetso:

- Kurabirana kw'amababi agahinduka icyatsi cyeruruka.
- Mu maso y'ibirayi birwaye cyane haturukamo amatembabuzi y'umweru wabitema ugasanga imbere hari uruziga rw'umuhondo.

Uburyo bwo kuyirwanya:

- **Gukoresha amoko y' imbuto y'ibirayi yihanganira iyo indwara,**
- **Gusimburanya ibirayi n'ibindi bihingwa bitari mu muryango umwe;**
- **Kurandura no kuvana mu murima ibirayi byose bigaragara ho ibimenyetso by'iyi ndwara.**



Imfunyarazi



Imfunyarazi iterwa na virusi ikwirakwizwa n'udusimba (ubuhunduguru).

Aho ifata: Amababi, imigozi, ikirayi.

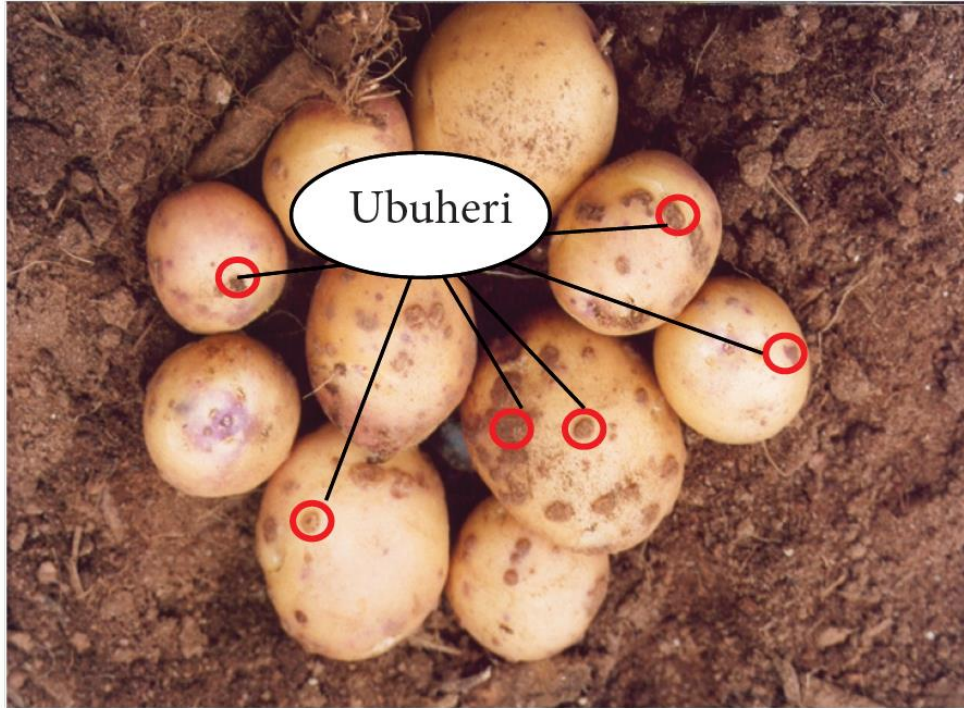
Ibimenyesto biyiranga:

- Amababi areruruka, agapfunyarara agashinga umutwe,
- Amatwi y'amababi arapfunyarara akamera nk'amahembe.
- Imigozi ntikura neza, iba migufi, ishora nabi kandi igashora uturayi duto kandi duke.

Uburyo bwo kuyirwanya:

- Gutera amoko y'ibirayi yihanganira iyo ndwara,
- Gutera umuti wica udusimba(Aphids) dukwirakwiza izo virusi;
- Kurandura ibirayi birwaye;
- Kurandura ibirayi byimejeje.
- Guterera igihe no gusimburanya ibirayi n'ibindi bihingwa

Indwara y'ubuheri



Iyo ndwara ikwirakwizwa cyane n'imbuto zirwaye.

Ikunda kugaragara mu butaka bukonje kandi butose igihe kirekire.

Ibimenyetso: ubuheri bugaragara ku ruhu rw'ikirayi. Iyo ubwo buheri ari bwinshi, ibirayi ntibikura neza.

Kuyirwanya:

- Gukoresha imbuto zitarwaye;
- Gusimburanya ibirayi n'ibindi bihingwa mu murima.
- Gutera ibirayi ahantu hatareka amazi.

IBYONNYI

Inanda



Aho ifata: Hagati y'imizi n'igihimba

Ibimenyatso: Zirimbura ikirayi kiri mu murima hagati y'imizi n'igihimba.

Kuzirwanya: Kuzitoragura bakazitwika cyangwa bakoresha umuti bita durusibani (Dursiban) y'uduheke(g 150 kuri ari 1).

Uko basimburanya ibirayi n'ibindi bihingwa

Kugira ngo indwara zigabanuke, byaba byiza ibirayi bihinzwe mu murima wavuyemo ibindi birayi nyuma y'ibihe by'ihinga bine ku mbuto na nyuma y'ibihembwe 2 ku birayi byo kurya kandi ibyimejeje byose bikarandurwa.

