

## Quarantine Pests (Fungi) Declined Entry into Sudan = (Zero Tolerance)

<b>Potato</b>	
<i>Aecidium cantensis</i>	Deforming rust
<i>Angiosorus solani</i> = <i>Thecaphora solani</i>	Thecaphora smut
<i>Cercospora solani</i>	Potato leaf blotch
<i>Cercospora solani-tuberosi</i>	Potato leaf blotch
<i>Choanephora cucurbitarum</i>	Choanephora blight
<i>Dematophora</i> sp. ( <i>Rosellinia necatrix</i> )	Rosellinia wilt & Black dot
<i>Fusarium solani</i> f.sp. <i>eumartii</i>	Wilt
<i>Geotrichum candidum</i>	Rubbery rot
<i>Helminthosporium solani</i>	Silver scurf
<i>Mycovellosiella</i> ( <i>Cercospora</i> ) <i>concors</i>	Potato leaf blotch
<i>Phoma eupyrina</i>	Phoma eupyrina disease
<i>Phytophthora cryptogea</i>	Pink rot
<i>Phytophthora drechsleri</i>	Pink rot
<i>Phytophthora erythroseptica</i>	Pink rot
<i>Phytophthora megasperma</i>	Pink rot
<i>Phytophthora nicotianae</i> var. <i>parasitica</i>	Pink rot
<i>Polyscytalum</i> ( <i>Oospora</i> ) <i>pustulans</i>	Skin spot
<i>Puccinia pittieriana</i>	Common rust
<i>Rhizoctonia crocorum</i> (P. S.) <i>Helicobasidium brebisonii</i>	Violet root rot
<i>Synchytrium endobioticum</i>	Wart
<i>Verticillium albo-atrum</i>	Verticillium wilt
<i>Verticillium dahlia</i>	Pink eye & Verticillium wilt
<i>Whetzelinia sclerotium</i> ( <i>Sclerotinia sclerotium</i> )	White mould/Stalk break
<b>Garlic and Onion</b>	
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Southern blight
<i>Embellisia allii</i> (= <i>Helminthosporium allii</i> )	Skin blotch and bulb canker
<i>Puccinia Porri</i>	Rust
<i>Sclerotinia sclerotiorum</i>	Sclerotinia rot
<i>Sclerotium cepivorum</i>	White Rot
<i>Urocystis cepulae</i> = <i>Urocystis magica</i>	Smut
<i>Urocystis colchici</i>	Smut
<b>Maize</b>	
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Ear rot (Southern blight)
<i>Kabatiella zae</i> syn <i>Aureobasidium zae</i>	Eye spot
<i>Leptosphaeria maydis</i>	Leaf spots, minor
<i>Leptosphaeria michotii</i>	Leptosphaeria leaf spot
<i>Leptosphaerulina</i> sp. ( <i>Hyalothyridium maydis</i> )	Hyalothyridium leaf spot
<i>Leptothyrium zae</i>	Leaf spots, minor
<i>Marasmiellus paspali</i> var. <i>americanus</i> , <i>M. paspali</i> var. <i>paspali</i> , <i>M. paspali sensu lato</i>	Vertical banded blight

<i>Peronosclerospora philippinensis</i>	Philippine downy mildew
<i>Peronosclerospora sacchari</i>	Sugarcane downy mildew
<i>Peronosclerospora spontanea</i> = <i>Sclerospora spontanea</i>	Spontaneum downy mildew
<i>Peronosclerospora maydis</i>	Java downy mildew
<i>Phaeocystostroma ambiguum</i> = <i>Phaeocystosporella zae</i>	Phaeocystostroma stalk rot and root rot
<i>Phaeosphaeria maydis</i> = <i>Sphaerulina maydis</i>	Phaeosphaeria leaf spot
<i>Phyllachora maydis</i> & <i>Monographella maydis</i>	Tar spot complex
<i>Physalospora zeicola</i>	Physalospora ear rot
<i>Physoderma maydis</i>	Stalk rot, Brown & Black spots
<i>Physopella zae</i> , <i>P. pallescens</i> , <i>Angiopsora zae</i>	Tropical rust
<i>Pronosclerospora sorghi</i>	Sorghum downy mildew
<i>Puccinia polyspora</i>	Polyspora rust
<i>Puccinia sorghi</i>	Common rust
<i>Sclerophthora macrospora</i> = <i>Sclerospora macrospora</i>	Crazy top downy mildew
<i>Sclerophthora rayssiae</i> var. <i>zae</i>	Brown stripe downy mildew
<i>Selenophoma</i> sp.	Selenophoma leaf spot
<i>Stenocarpella macrospora</i> syn. <i>Diplodia macrospora</i>	Leaf stripe & stalk rot
<i>Stenocarpella maydis</i> = <i>Diplodia zae</i>	Stalk rot & ear rot
<i>Ustilago maydis</i> = <i>Ustilago zae</i>	Common smut
<b>Sunflower</b>	
<i>Alternaria helianthi</i>	Leaf blight
<i>Alternaria helianthicola</i>	Leaf blight, stem spot, head rot
<i>Alternaria leucanthemi</i>	Leaf blight, stem spot, head rot
<i>Alternaria zinniae</i>	Leaf blight, stem spot, head rot
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Sothern blight & Root rot
<i>Coleosporium helianthi</i> ( <i>Peridermium californicum</i> )	Yellow rust
<i>Coleosporium madae</i>	Yellow rust
<i>Coleosporium pacificum</i>	Yellow rust
<i>Diaporthe helianthi</i> ( <i>Phomopsis helianthi</i> )	Brown stem canker
<i>Leptosphaeria lindquistii</i>	Black stem
<i>Monographella cucumerina</i> ( <i>Microdochium tabacinum</i> )	Stalk rot
<i>Phialophora asteris</i>	Phialophora yellows
<i>Phoma macdonaldii</i>	Phoma black stem
<i>Phoma oleracea</i> var. <i>helianthi-tuberosi</i>	Phoma black stem
<i>Phymatotrichopsis omnivora</i>	Root rot (cotton root rot)
<i>Phymatotrichum omnivorum</i>	Root rot (cotton root rot)
<i>Phymatotropis omnivora</i>	Cotton root rot
<i>Phytophthora drechsleri</i>	Stem rot
<i>Plasmopara halstedii</i>	Downy mildew
<i>Plasmopara helianthi</i>	Downy mildew
<i>Puccinia helianthi</i>	Rust
<i>Puccinia xanthii</i>	Rust
<i>Rhizoctonia bataticola</i>	Root rot
<i>Sclerotinia libertiana</i>	Stalk rot, head rot & wilt

<i>Sclerotinia minor</i>	Basal stalk rot and wilt
<i>Sclerotinia sclerotiorum</i>	Stalk rot, head rot & wilt
<i>Septoria helianthi</i>	Leaf spot
<i>Uromyces junci</i>	Rust
<i>Veticillium albo-atrum</i>	Verticillium wilt
<i>Veticillium daliae</i>	Verticillium wilt
<i>Whetzelinia sclerotiorum</i>	Stalk rot, head rot & wilt
<b>Alfa Alfa</b>	
<i>Calonectria crotalariae</i> ( <i>Cylindrocladium crotalariae</i> )	Cylindrocladium root & crown rot
<i>Coprinus psychromorbidus</i>	Coprinus winter crown rot
<i>Helicobasidium brebissonii</i> ( <i>Rhizoctonia crocorm</i> )	Violet root rot
<i>Leptosphaerulina trifolii</i>	Lepto leaf spot
<i>Leptotrochila medicaginis</i> ( <i>Sporonema phsidioides</i> )	Yellow leaf blotch
<i>Marasmius sp.</i>	Marasmius root rot
<i>Mycoleptodiscus terrestris</i>	Mycoleptodiscus crown & root rot
<i>Nectria ramulariae</i> ( <i>Cylindrocarpon magnusianum</i> = <i>Cylindrocarpon ehrenbergii</i> )	Cylindrocarpon root rot
<i>Peronospora trifoliorum</i>	Downy mildew
<i>Phymatotrichopsis omnivora</i>	Cotton root rot & Texas root rot
<i>Phymatotrichum omnivorum</i>	Cotton root rot & Texas root rot
<i>Physoderma alfalflae</i> = <i>Urophlyctis alfalflae</i>	Crown wart
<i>Uromyces medicaginis</i>	Rust
<i>Uromyces oblongus</i>	Rust
<i>Uromyces striatus</i>	Rust
<b>Wheat</b>	
<i>Alternaria triticina</i>	Leaf blight
<i>Cochliobolus sativus</i> ( <i>Biplolaris sorokiana</i> )	Spot blotch
<i>Fusarium spp.</i>	Dry land foot rot & Seedling blight
<i>Gaeumannomyces graminis</i>	Sheath black spot
<i>Microdochium nivale</i>	Pink snow mold
<i>Mycosphaerella graminicola</i>	Leaf blotch
<i>Pseudocercospora herpitrichoides</i>	Eye spot
<i>Pyrenophora tritici-repentis</i>	Tan spot
<i>Rhizoctonia cerealis</i>	Sharp eyespot
<i>Tilletia caries</i>	Aka common covered smut
<i>Tilletia controversa</i>	Dwarf bunt
<i>Tilletia laevis</i> = <i>T. foetida</i>	Common bunt (Stinking smut)
<i>Tilletia tritici</i>	Common bunt (Stinking smut)
<i>Ustilaginomycotina clade</i>	Smut
<b>Sorghum</b>	
<i>Periconia circinata</i>	Milo disease
<i>Sclerophthora macrospora, Sclerospora macrospora</i>	Crazy top downy mildew

<b>Soybean</b>	
<i>Arkoala nigra</i>	Black leaf blight
<i>Calonectria crotalariae</i> ( <i>Cylindrocladium crotalariae</i> )	Red crown rot
<i>Choanephora infundibulifera</i>	Choanephora leaf blight
<i>Choanephora trisporea</i>	Choanephora leaf blight
<i>Corynespora cassiicola</i>	Target spot
<i>Dactuliochaeta glycines</i> = <i>Pyrenochaeta glycines</i>	Red leaf blotch
<i>Diaporthe phaseolorum</i> ( <i>Phomopsis phaseolii</i> )	Stem canker
<i>Leptosphaerulina trifolii</i>	Leptosphaerulina leaf spot
<i>Mycoleptodiscus terrestris</i>	Mycoleptodiscus root rot
<i>Nematosporea coryli</i>	Yeast spot
<i>Peronospora manshurica</i>	Downy mildew
<i>Phakopsora pachyrhizi</i>	Rust
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Phymatotrichum root (cotton) root rot
<i>Spaceloma glycines</i>	Scab
<b>Tomato</b>	
<i>Corynespora cassiicola</i>	Target spot
<i>Didymella lycopersici</i>	Didymella stem rot
<i>Galactomyces geotrichum</i> <i>Geotrichum candidum</i>	Sour rot
<i>Geotrichum klebahnii</i> = <i>Geotrichum penicillatum</i>	Sour rot
<i>Phytophthora capsici</i>	Buckeye fruit and root rot
<i>Phytophthora drechsleri</i>	Buckeye fruit and root rot
<i>Phytophthora nicotianae</i> var. <i>parasitica</i>	Buckeye fruit and root rot
<i>Phytophthora parasitica</i>	Buckeye fruit and root rot
<i>Sclerotinia minor</i>	White mold
<i>Sclerotinia sclerotiorum</i>	White mold
<i>Septoria lycopersici</i>	Septoria leaf spot
<b>Pepper</b>	
<i>Choanephora cucurbitarum</i>	Choanephora blight
<i>Peronospora tabacina</i>	Downy mildew
<i>Sclerotinia sclerotiorum</i>	White mold
<b>Eggplant</b>	
<i>Choanephora cucurbitarum</i>	Choanephora Blight (Wet Rot)
<i>Phomopsis vexans</i>	Phomopsis fruit rot
<i>Sclerotinia sclerotiorum</i>	White mold (Pink rot)
<i>Septoria melongenae</i>	leaf spot
<b>Carrot</b>	
<i>Aecidium foeniculi</i>	Rust
<i>Alternaria radicina</i> = <i>Stemphylium radicinum</i>	Black carrot root & dieback
<i>Athelia arachnoidea</i> ( <i>Fibulorhizoctonia carotae</i> )	Crater rot
<i>Diaporthe arctii</i>	Stem spot
<i>Geotrichum candidum</i>	Sour rot

<i>Gliocladium roseum</i>	Hard rot
<i>Helicobasidium brebissonii</i> = <i>Helicobasidium purpureum</i> ( <i>Rhizoctonia crocorum</i> )	Violet root rot
<i>Mycocentrospora acerina</i> = <i>Centrospora acerina</i>	Licorice rot
<i>Olpidium brassicae</i>	Rusty root
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Phymatotrichum root rot (cotton root rot)
<i>Plasmopara crustosa</i> = <i>Plasmopara nivea</i>	Downy mildew
<i>Ramularia</i> spp.	Leaf spot
<i>Trichothecium roseum</i>	Pink mold rot
<i>Typhula variabilis</i>	Leaf rot & Licorice rot
<i>Typhula</i> spp.	Buckshot rot
<i>Uromyces graminis</i>	Rust
<i>Uromyces lineolatus</i> subsp. <i>nearcticus</i>	Rust
<i>Uromyces scirpi</i>	Rust
<b>Cucurbits</b>	
<i>Choanephora cucurbitarum</i>	Choanephora fruit rot
<i>Corynespora cassiicola</i>	Corynespora blight/target spot
<i>Leandria momordicae</i>	Net spot
<i>Monosporascus eutypoides</i> = <i>Bitrimonospora indica</i>	Collapse of melon
<i>Plectosporium tabacinum</i>	Plectosporium blight
<i>Pseudoperonospora cubensis</i>	Downy mildew
<i>Sclerotinia sclerotiorum</i>	Sclerotinia stem rot
<i>Septoria cucurbitacearum</i>	Septoria leaf blight
<b>Pearl millet</b>	
<i>Beniowskia sphaeroidea</i>	False mildew
<i>Bipolaris setariae</i>	Bipolaris leaf spot
<i>Dactuliophora elongata</i>	Dactuliophora leaf spot
<i>Gleocercospora sorghi</i>	Zonate leaf spot
<i>Plasmopara penniseti</i>	Downy mildew
<i>Puccinia substriata</i> var. <i>indica</i>	Rust
<i>Pyricularia grisea</i>	Pyricularia leaf spot
<b>Rice</b>	
<i>Achlya conspicua</i>	Water-mold (seed & seedling rot)
<i>Achlya klebsiana</i>	Water-mold (seed & seedling rot)
<i>Entyloma oryzae</i>	Leaf smut
<i>Gaeumannomyces graminis</i>	Crown sheath rot
<i>Magnaporthe salvinii</i> syn. <i>Sclerotium oryzae</i>	Stem rot
<i>Microdochium oryzae</i> = <i>Rhynchosporium oryzae</i>	Leaf scald, Pecky rice (kernel spotting)
<i>Sarocladium oryzae</i> = <i>Acrocyldrium oryzae</i>	Sheath rot, Pecky rice (kernel spotting)
<i>Sclerophthora macrospora</i>	Downy mildew
<i>Tilletia barclayana</i> = <i>Neovossia horrida</i>	Kernel smut

<b>Okra</b>	
<i>Phyllosticta hibiscina</i>	Leaf spot
<i>Phymatorichum omnivorum</i>	Cotton root rot
<b>Crucifers</b>	
<i>Alternaria raphani</i>	Black leaf spot
<i>Aphanomyces raphani</i>	Black root
<i>Cercospora brassicicola</i>	Cercospora leaf spot
<i>Colletotrichum higginsianum</i>	Anthracnose
<i>Leptosphaeria maculans (Phoma lingam)</i>	Black leg & root rot
<i>Mycosphaerella brassicicola (Asteromella brassicae)</i>	Ring spot
<i>Peronospora parasitica</i>	Downy mildew, staghead
<i>Peronospora sp.</i>	White rust and staghead
<i>Phymatotrichopsis omnivora= Phymatotrichum omnivorum</i>	Root rot (cotton root rot)
<i>Phytophthora megasperma</i>	Phytophthora root rot
<i>Plasmodiophora brassicae</i>	Clubroot
<i>Pseudocercospora capsellae</i>	White leaf spot and gray stem
<i>Pyrenopeziza brassicae</i>	Light leaf spot
<i>Verticillium dahliae</i>	Verticillium wilt
<b>Broad bean</b>	
<i>Aphanomyces euteiches</i>	Seedling blight.
<b>Peanut bean</b>	
<i>Calonectria crotalariae (Cylindrocladium crotalariae)</i>	Cylindrocladium black rot
<i>Calonectria kyotensis (Cylindrocladium scoparium)</i>	Cylindrocladium leaf spot
<i>Choanephora spp.</i>	Choanephora leaf spot
<i>Grovesinia pyramidalis (Cristulariella moricola syn. Sclerotium cinnamomi)</i>	Zonate leaf spot
<i>Leptosphaerulina crassiasca</i>	Pepper spot and scorch
<i>Pestalotiopsis arachidis</i>	Pestalotiopsis leaf spot
<i>Phyllosticta arachidis-hypogaeae</i>	Phyllosticta leaf spot
<i>Phymatotrichopsis omnivora= Phymatotrichum omnivorum</i>	Phymatotrichum root rot
<i>Pleosphaerulina sojicola (Phyllosticta sojaecola)</i>	Phyllosticta leaf spot
<i>Puccinia arachidis</i>	Rust
<i>Sphaceloma arachidis</i>	Scab
<b>Sweet potatoes (Tissue culture)</b>	
<i>Albugo ipomoeae-panduratae</i>	White rust
<i>Ceratocystis fimbriata</i>	Black rot
<i>Coleosporium ipomoeae</i>	Red rust
<i>Elsinoe batatas (Sphaceloma batatas)</i>	Scab, leaf and stem
<i>Fusarium oxysporum f.sp. batatas</i>	Wilt, stem rot & Surface rot
<i>Gibberella baccata (Fusarium lateritium)</i>	Chlorotic leaf distortion
<i>Helicobasidium mompa</i>	Violet root rot
<i>Monilochaetes infuscans</i>	Scurf

<i>Phaeoisariopsis bataticola</i> = <i>Cercospora bataticola</i>	Leaf spot
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Root rot (cotton root rot)
<i>Plenodomus destruens</i>	Foot rot
<b>Grape</b>	
<i>Elsinoe ampelina</i> ( <i>Sphaceloma ampelinum</i> )	Anthrachnose and bird's-eye rot
<i>Mycosphaerella angulata</i> ( <i>Cercospora brachypus</i> )	Angular leaf spot
<i>Pseudopezicula tetraspora</i> ( <i>Phialophora</i> sp.)	Angular leaf scorch
<b>Beet</b>	
<i>Aphanomyces cochlioides</i>	Black root rot
<i>Cercospora beticola</i>	Cercospora leaf spot
<i>Cylindrocladium</i> spp.	Root rot
<i>Fusarium oxysporum</i> f.sp. <i>betae</i>	Fusarium yellows and root rot
<i>Helicobasidium brebissonii</i> ( <i>Rhizoctonia crocorum</i> )	Violet root rot
<i>Peronospora farinosa</i> f.sp. <i>betae</i> = <i>Peronospora schachtii</i>	Downy mildew
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Root rot (cotton root rot)
<i>Physoderma leproides</i> = <i>Urophlyctis leproides</i>	Leaf gall (beet tumor, or crown wart)
<i>Phytophthora drechsleri</i>	Phytophthora wet rot
<i>Pleospora betae</i> ( <i>Phoma betae</i> )	Black leg
<i>Puccinia subnitens</i>	Seedling rust
<i>Ramularia beticola</i>	Ramularia leaf spot
<i>Uromyces betae</i>	Rust
<b>Lettuce</b>	
<i>Cercospora longissima</i>	Cercospora leaf spot
<i>Microdochium panattonianum</i> = <i>Marssonina panattoniana</i>	Anthrachnose
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Root rot (cotton root rot)
<i>Plasmopara lactucae-radici</i>	Downy mildew
<i>Puccinia dioicae</i> = <i>Puccinia extensicola</i> var. <i>hieraciata</i>	Rust
<i>Septoria lactucae</i>	Septoria leaf spot
<b>Chickpea</b>	
<i>Acrophialophora fusispora</i>	Acrophialophora wilt
<i>Cylindrocladium clavatum</i>	Cylindrocladium root rot
<i>Fusarium acuminatum</i>	Fusarium root rot
<i>Fusarium arthrosporioides</i>	Fusarium root rot
<i>Fusarium oxysporum</i> f.sp. <i>ciceris</i>	Fusarium wilt
<i>Fusarium solani</i> f.sp. <i>eumartii</i> = <i>Fusarium eumartii</i>	Fusarium root rot
<i>Mycosphaerella rabiei</i> = <i>Didymella rabiei</i> ( <i>Ascochyta rabiei</i> )	Ascochyta blight
<i>Mystrosporium</i> sp.	Mystrosporium leaf spot
<i>Neocosmospora vasinfecta</i>	Neocosmospora root rot
<i>Ozonium texanum</i> var. <i>parasiticum</i>	Ozonium collar rot
<i>Phacidiopycnis padwickii</i> = <i>Operculella padwickii</i>	Foot rot
<i>Scopulariopsis brevicaulis</i>	Scopulariopsis leaf spot
<i>Trichothecium roseum</i>	Seedling or seed rot

<i>Uromyces ciceris-arietini</i>	Rust
<i>Uromyces striatus</i>	Rust
<b>Strawberry</b>	
<i>Alternaria alternata f.sp. fragariae</i>	Black leaf spot
<i>Botryosphaeria obtusa (Sphaeropsis malorum)</i>	Fruit blotch
<i>Byssochlamys fulva (Paecilomyces fulvus)</i>	Byssochlamys rot
<i>Ceratobasidium fragariae (Rhizoctonia fragariae)</i>	Anther and pistil blight
<i>Coniella fragariae= Coniothyrium fragariae</i>	Coniothyrium diseases
<i>Coniothyrium fuckelii</i>	Coniothyrium diseases
<i>Diapleella coniothyrium (Coniothyrium fuckelii= Leptosphaeria coniothyrium)</i>	Black root rot (disease complex)
<i>Didymella lycopersici (Diplodina lycopersici)</i>	Leaf & stalk rot
<i>Diplocarpon earlianum (Marssonina fragariae= Marssonina potentillae)</i>	Leaf scorch
<i>Discohainesia oenotherae</i>	Tan-brown rot (of fruit)
<i>Discohainesia oenotherae (Hainesia lythri)</i>	Black root rot (disease complex)
<i>Gnomonia comari (Zythia fragariae)</i>	Leaf blotch & stem-end rot
<i>Hainesia lythri= Patellina fragariae</i>	Hainesia leaf spot, & tan-brown rot (of fruit)
<i>Idriella lunata</i>	Root rot
<i>Idriella lunata</i>	Idriella root rot
<i>Olpidium brassicae</i>	Olpidium root infection
<i>Peronospora potentillae</i>	Fruit blotch
<i>Peronospora potentillae= Peronospora fragariae</i>	Downy mildew
<i>Pestalotia laurocerasi</i>	Pestalotia fruit rot
<i>Pestalotia longisetula= Truncatella laurocerasi</i>	Pestalotia fruit rot
<i>Phomopsis obscurans= Dendrophoma obscurans</i>	Leaf blight
<i>Phragmidium potentillae= Frommea obtusa</i>	Leaf rust
<i>Phytophthora cactorum</i>	Leather rot
<i>Phytophthora cactorum</i>	Crown & root rot
<i>Phytophthora citricola</i>	Leather rot
<i>Phytophthora citricola</i>	Crown & root rot
<i>Phytophthora fragariae</i>	Red stele
<i>Phytophthora megasperma</i>	Crown & root rot
<i>Phytophthora nicotianae var. parasitica</i>	Crown & root rot
<i>Phytophthora nicotianae= Phytophthora parasitica</i>	Leather rot
<i>Rosellinia necatrix (Dematophora necatrix)</i>	Crown and root rot (white root rot)
<i>Schizoparme straminea (Coniella castaneicola= Pilidiella quercicola)</i>	Fruit blotch
<i>Sclerotinia sclerotiorum</i>	Sclerotinia crown and fruit rot
<i>Septoria aciculosa</i>	Septoria hard rot and leaf spot
<i>Septoria fragariae= Septogloeum potentillae</i>	Septoria hard rot and leaf spot
<i>Septoria fragariaecola</i>	Septoria hard rot and leaf spot
<i>Synchytrium fragariae</i>	Synchytrium root gall
<i>Verticillium dahliae</i>	Verticillium wilt



<b>Rhodes grass</b>	
<i>Cerebella andropogonis</i>	
<i>Drechslera australiensis</i>	
<i>Himaydis</i> sp.	
<i>Nigrospora sphaerica</i>	
<i>Puccinia chlorides</i>	
<i>Uromyces kenyensis</i>	
<b>Paulownia</b>	
<i>Ascochyta paulowniae</i>	Leaf spot
<i>Botryosphaeria obtusa</i>	Bark necrosis
<i>Cercospora paulowniae</i>	Leaf blight, spotting
<i>Corynespora cassiicola</i>	Target leaf spot
<i>Diaporthe eres</i>	Bark canker
<i>Fusarium merismoides</i>	Twig die bag
<i>Phoma macrostoma</i>	Leaf spot
<i>Phomopsis imperialis</i>	Twig canker
<i>Phyllosticta paulowniae</i>	Leaf spot
<i>Phytophthora nicotianae</i>	Leaf blight
<i>Polyporus spragui</i>	Wood decay
<i>Trametes versicolor</i>	Wood decay
<i>Valsa paulowniae</i>	Dieback & canker
<b>Sugarcane (Cuttings)</b>	
<i>Alternaria alternata</i>	Seedling blight
<i>Bipolaris sacchari</i> = <i>Helminthosporium sacchari</i>	Eye spot
<i>Ceratocystis adiposa</i> ( <i>Chalara</i> sp.)	Black rot
<i>Ceratocystis paradoxa</i> ( <i>Chalara paradoxa</i> )= <i>Thielaviopsis paradoxa</i>	Pineapple disease
<i>Cercospora atrofiliiformis</i>	Black stripe
<i>Cercospora longipes</i>	Brown spot
<i>Clypeoporthes iliau</i> = <i>Gnomonia iliau</i> ( <i>Phaeocystroma iliau</i> )	Iliau
<i>Cochliobolus hawaiiensis</i> ( <i>Bipolaris hawaiiensis</i> )	Seedling blight
<i>Cochliobolus lunatus</i> ( <i>Curvularia lunata</i> )	Seedling blight
<i>Cochliobolus stenospilus</i> ( <i>Bipolaris stenospila</i> )	Brown stripe
<i>Curvularia senegalensis</i>	Seedling blight
<i>Cytospora sacchari</i>	Sheath rot
<i>Deightonella papuana</i>	Veneer blotch
<i>Didymosphaeria taiwanensis</i>	Leaf blast
<i>Dimeriella sacchari</i>	Red leaf spot (purple spot)
<i>Elsinoë sacchari</i> ( <i>Sphaceloma sacchari</i> )	White rash
<i>Fusarium sacchari</i> = <i>Cephalosporium sacchari</i>	Wilt
<i>Helminthosporium</i> sp.	Target blotch
<i>Herbaspirillum rubrisubalbicans</i>	Mottled stripe

<i>Leptosphaeria sacchari</i> ( <i>Phyllosticta</i> sp.)	Ring spot
<i>Leptosphaeria taiwanensis</i> ( <i>Stagonospora tainanensis</i> )	Leaf blight
<i>Marasmiellus stenophyllus</i> = <i>Marasmius stenophyllus</i>	Marasmius sheath and shoot blight
<i>Marasmius sacchari</i>	Root rots
<i>Mycosphaerella striatiformans</i>	Downy mildew, leaf splitting form
<i>Mycovellosiella koepkei</i> = <i>Cercospora koepkei</i>	Yellow spot
<i>Mycovellosiella vaginae</i> = <i>Cercospora vaginae</i>	Red spot of leaf sheath
<i>Myriogenospora aciculisporea</i>	Myriogenospora leaf binding (tangle top)
<i>Peronosclerospora miscanthi</i> = <i>Sclerospora mischanthi</i>	Downy mildew, leaf splitting form
<i>Peronosclerospora sacchari</i> = <i>Sclerospora sacchari</i>	Downy mildew
<i>Phaeocystostroma sacchari</i> = <i>Pleocyta sacchari</i> = <i>Melanconium sacchari</i>	Rind disease (sour rot)
<i>Phyllosticta hawaiiensis</i>	Phyllosticta leaf spot
<i>Phytophthora megasperma</i>	Phytophthora rot of cuttings
<i>Puccinia kuehnii</i>	Rust, orange
<i>Puccinia melanocephala</i> = <i>Puccinia erianthi</i>	Rust, common
<i>Schizophyllum commune</i>	Schizophyllum rot
<i>Sclerophthora macrospora</i>	Sclerophthora disease
<i>Setosphaeria rostrata</i> ( <i>Exserohilum rostratum</i> )	Seedling blight
<i>Stagonospora sacchari</i>	Leaf scorch
<i>Thanatephorus cucumeris</i> = <i>Pellicularia sasakii</i>	Banded sclerotial (leaf) disease, Sheath & shoot rot
<b>Mango (Tissue culture)</b>	
<i>Armillaria mellea</i>	Shoestring rot
<i>Armillaria tabescens</i>	Mushroom root rot
<i>Bipolaris hawaiiensis</i>	Leaf blight
<i>Bipolaris ravenelii</i>	Shoestring rot
<i>Botryosphaeria disrupta</i> = <i>Physalospora disrupta</i>	Dieback
<i>Botryosphaeria dothidea</i>	Stem end rot
<i>Botryosphaeria quercuum</i> = <i>Physalospora glandicola</i>	Dieback
<i>Botryosphaeria rhodina</i> = <i>Physalospora rhodina</i>	Dieback & Stem end rot
<i>Botryosphaeria ribis</i> ( <i>Fusicoccum</i> sp.)	Branch canker
<i>Capnodium citri</i>	Sooty molds
<i>Capnodium mangiferae</i>	Sooty molds
<i>Capnodium ramosum</i>	Sooty molds
<i>Ceratocystis fimbriata</i> ( <i>Chalara fimbriata</i> )	Ceratocystis wilt
<i>Ceratocystis paradoxa</i> ( <i>Chalara paradoxa</i> )	Black rot
<i>Cylindrocladiella peruviana</i> = <i>Cylindrocladium peruvianum</i>	Root rot
<i>Dothiorella dominicana</i> = <i>Fusicoccum aesculi</i>	Stem end rot
<i>Dothiorella</i> sp.	Branch necrosis
<i>Elsinoe mangiferae</i> ( <i>Sphaceloma mangiferae</i> )	Scab
<i>Erythriconium salmonicolor</i> = <i>Corticium salmonicolor</i> ( <i>Necator decretus</i> )	Pink disease

<i>Gloeodes pomigena</i>	Sooty blotch
<i>Gloeodes</i> sp.	White sooty blotch
<i>Hendersonia creberrima</i>	Hendersonia soft brown rot
<i>Hexagonia hydnoides</i> = <i>Polyporus hydnoides</i>	Trunk rot
<i>Hypoxyton serpens</i> var. <i>effusum</i>	Branch canker
<i>Lasiodiplodia theobromae</i> = <i>Botryosphaeria theobromae</i>	Dieback
<i>Leptosphaeria</i> sp.	Leaf spot
<i>Marasmius</i> sp.	Shoestring rot
<i>Meliola mangiferae</i>	Black mildew
<i>Neofusicoccum parvum</i>	Stem end rot
<i>Pestalotiopsis mangiferae</i>	Fruit rot
<i>Pestalotiopsis mangiferae</i> = <i>Pestalotia mangiferae</i>	Gray leaf spot
<i>Phaeosphaerella mangiferae</i>	Leaf spot
<i>Phellinus gilvus</i>	Wood rot
<i>Phymatotrichopsis omnivora</i>	Root rot
<i>Phytophthora nicotianae</i> = <i>Phytophthora nicotianae</i> var. <i>parasitica</i>	Root rot
<i>Phytophthora palmivora</i>	Root rot
<i>Pseudocercospora mali</i>	Leaf spot
<i>Pseudocercospora subsessilis</i>	Leaf spot
<i>Pycnoporus sanguineus</i> = <i>Polyporus sanguineus</i>	Wood rot
<i>Rhinochlamydomium corticum</i>	Black banded disease
<i>Sclerotium rolfsii</i>	Root rot
<i>Sclerotium rolfsii</i> var. <i>delphinii</i>	Root rot
<i>Septobasidium bogoriense</i>	Felt fungus
<i>Septobasidium pilosum</i> ( <i>Johncouchia mangiferae</i> )	Felt fungus
<i>Septobasidium pseudopedicellatum</i>	Felt fungus
<i>Sphaeropsis</i> sp.	Stem gall
<i>Stigmina mangiferae</i>	Stigmina leaf spot
<i>Stomiopeltis</i> sp.	Sooty blotch
<i>Tripaspermum acerinum</i>	Sooty molds
<i>Zimmermanniella trispora</i>	Crusty leaf spot
<b>Olive</b>	
<i>Armillaria mellea</i>	Armillaria root rot
<i>Botryosphaeria dothidea</i>	Botryosphaeria blight
<i>Capnodium elaeophilum</i>	Sooty mold
<i>Mycocentrospora cladosporioides</i>	Leaf spot
<i>Phlyctema vagabunda</i>	Lepra fruit rot
<i>Sphaeropsis dalmatica</i> = <i>Macrophoma dalmatica</i> ( <i>oleae</i> )	Olive Shield
<i>Spilocaea oleaginea</i> syn. <i>Fusicladium oleagineum</i>	Peacock spot
<i>Verticillium dahlia</i>	Verticillium Wilt
<b>Date palm (Tissue culture)</b>	
<i>Fusarium oxysporum</i> f.sp. <i>albedinis</i>	Bayoud (Fusariose)
<i>Omphalia pigmentata</i>	Omphalia root rot

<i>Omphalia tralucida</i>	Omphalia root rot
<i>Pestalotiopsis palmarum</i> = <i>Pestalotia palmarum</i>	Pestalotia leaf spot
<b>Cotton</b>	
<i>Ashbya gossypii</i>	Stigmatomycosis
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Stem & root rot = southern blight
<i>Aureobasidium pullulans</i>	Stigmatomycosis
<i>Botryosphaeria rhodina</i> ( <i>Diplodia gossypina</i> )	Boll rot
<i>Eremothecium coryli</i> = <i>Nematospora coryli</i>	Stigmatomycosis
<i>Lasiodiplodia theobromae</i>	Boll rot
<i>Mycosphaerella gossypina</i> ( <i>Cercospora gossypina</i> )	Leaf spot
<i>Nematospora</i> spp.	Lint contamination
<i>Nigrospora oryzae</i>	Lint contamination
<i>Phakopsora gossypii</i>	Tropical cotton rust
<i>Phymatotrichopsis omnivora</i> = <i>Phymatotrichum omnivorum</i>	Phymatotrichum (cotton) root rot
<i>Physalospora rhodina</i>	Boll rot
<i>Phytophthora</i> spp.	Boll rot
<i>Puccinia cacabata</i>	Southwestern cotton rust
<i>Puccinia schedonnardii</i>	Cotton rust
<i>Ramularia gossypii</i> = <i>Cercospora gossypii</i> ( <i>Mycosphaerella areola</i> )	Areolate mildew
<i>Thielaviopsis basicola</i> syn. <i>Chalara elegans</i>	Black root rot
<i>Verticillium dahliae</i>	Verticillium wilt
<b>Banana</b>	
<i>Acrodontium simplex</i>	Leaf speckle
<i>Armillaria mellea</i>	Armillaria corn rot
<i>Armillaria tabescens</i>	Armillaria corn rot
<i>Botryosphaeria ribis</i>	Fruit rot
<i>Cordana johnstonii</i>	Cordana leaf spot
<i>Cordana musae</i>	Cordana leaf spot
<i>Cylindrocarpon musae</i>	Root & rhizome rot
<i>Cylindrocladium</i> spp.	Cylindrocladium root rot
<i>Deightoniella torulosa</i>	Damping-off, fruit speckle, leaf spot & tip rot
<i>Fusarium oxysporum</i> f.sp. <i>cubense</i> Races 1, 2 and 4	Panama disease (Fusarium wilt)
<i>Fusarium oxysporum</i> f.sp. <i>cubense</i> Subtropical Race 4	Panama disease (Fusarium wilt)
<i>Fusarium oxysporum</i> f.sp. <i>cubense</i> Tropical Race 4 (TR4)	Panama disease (Fusarium wilt)
<i>Guignardia musae</i> ( <i>Phyllosticta musarum</i> )	Fruit freckle (freckle)
<i>Haplobasidium musae</i>	Malayan leaf spot
<i>Junghuhnia vincta</i>	Corm dry rot
<i>Lasiodiplodia theobromae</i>	Peduncle rot
<i>Leptosphaeria musarum</i>	Leaf spot
<i>Limacinula tenuis</i>	Sooty mold
<i>Marasmiellus inoderma</i> = <i>Marasmius semiustus</i>	Marasmiellus rot
<i>Nectria foliicola</i>	Sheath rot

<i>Nigrospora sphaerica</i>	Squirter (black end disease)
<i>Pestalotiopsis disseminata</i>	Leaf spot
<i>Pestalotiopsis leprogena</i>	Brown blotch
<i>Pestalotiopsis palmarum</i>	Pestalotiopsis leaf spot
<i>Phaeoseptoria musae</i>	Phaeoseptoria leaf spot
<i>Phyllachora musicola</i>	Black cross
<i>Ramichloridium musae</i> = <i>Veronaea musae</i> = <i>Periconiella musae</i>	Tropical speckle
<i>Rosellinia bunodes</i>	Black root rot
<i>Trachysphaera fructigena</i>	Trachysphaera finger rot
<i>Uredo musae</i>	Leaf rust
<i>Uromyces musae</i>	Leaf rust

<b>Citrus</b>	
<i>Armillaria mellea</i> = <i>Clitocybe tabescens</i> ( <i>Rhizomorpha subcorticalis</i> )	Mushroom root rot
<i>Ashbya gossypii</i>	Dry rot (fruit)
<i>Elsinoë australis</i>	Sweet orange scab
<i>Elsinoë fawcettii</i> ( <i>Sphaceloma fawcettii</i> )	Scab
<i>Galactomyces citri-aurantii</i> ( <i>Geotrichum citri-aurantii</i> )	Sour rot
<i>Galactomyces geotrichum</i> ( <i>Galactomyces candidum</i> )	Sour rot
<i>Gliocladium roseum</i>	Pink mold
<i>Gloeodes pomigena</i>	Sooty blotch
<i>Guignardia citricarpa</i>	Citrus black spot
<i>Guignardia citricarpa</i> syn. <i>Phyllosticta citricarpa</i>	Black spot
<i>Mycosphaerella citri</i> ( <i>Stenella citri-grisea</i> )	Greasy spot and greasy spot rind blotch
<i>Mycosphaerella horii</i>	Leaf spot
<i>Mycosphaerella lageniformis</i>	Leaf spot
<i>Oxyporus latemarginatus</i> = <i>Poria latemarginata</i>	Poria root rot
<i>Phaeoramularia angolensis</i>	leaf and fruit spot
<i>Phytophthora hibernalis</i>	Brown rot (fruit) foot rot, gummosis and root rot
<i>Rhytidhysterium rufulum</i>	Twig blight
<i>Rosellinia necatrix</i> ( <i>Dematophora necatrix</i> )	White root rot
<i>Rosellinia</i> sp.	Rosellinia root rot
<i>Rosellinia subiculata</i>	White root rot
<i>Schizothyrium pomi</i> ( <i>Zygophiala jamaicensis</i> )	Fly speck
<i>Ustulina deusta</i> ( <i>Nodulisporium</i> sp.)	Ustulina root rot
<b>African bamboo (Culms)</b>	
<i>Apiospora bambusae</i>	Culm staining & die-back
<i>Balansia linearis</i>	Witches' broom
<i>Botryobasidium salmonicolor</i>	Thread blight
<i>Cerodothis aurea</i>	Cerodothis leaf spot

<i>Chaetospermum carneum</i>	Chaetospermum leaf spot
<i>Coccodiella sp.</i>	Coccodiella leaf spot
<i>Dactylaria higginsii</i>	Zonate leaf spot
<i>Exserohilum halodes</i>	Exserohilum leaf spot
<i>Fusarium moniliforme var. intermedium (Fusarium proliferatum)</i>	Bamboo basal culm decay
<i>Fusarium pallidoroseum</i>	Bamboo branch die-back & Gummosis, Inflorescence & seed rots
<i>Glomerella cingulata (Colletotrichum gloeosporioides)</i>	Colletotrichum leaf spot
<i>Hypoxyton rubiginosum</i>	Bamboo culm necrosis & canker
<i>Kweilingia divina syn. Dasturella divina</i>	Bamboo rust
<i>Merulius similise</i>	Bamboo rhizome decay
<i>Petrakomyces indicus</i>	Petrakomyces leaf spot
<i>Phomopsis viticola</i>	Phomopsis leaf spot
<i>Phyllachora sp.</i>	Tar spot
<i>Pythium middletonii</i>	Bamboo rhizome bud rot, Rhizome, Root & culm basal rot
<i>Rosenscheldiella sp.</i>	Rosenscheldiella leaf spot
<i>Septoria sp.</i>	Septoria leaf spot
<i>Setosphaeria holmii (Exserohilum holmii)</i>	Exserohilum leaf spot
<i>Setosphaeria rostrata (Exserohilum rostratum)</i>	Exserohilum leaf spot
<i>Stagonospora sp.</i>	Stagonospora leaf spot

### Quarantine Pests (Bacteria) Declined Entry into Sudan (Zero Tolerance)

<b>Potato</b>	
<i>Clavibacter michiganensis subsp. Sepidonicus= Corynebacterium sepedonicum</i>	Ring rot
<i>Dickeya solani</i>	Blackleg-like diseases
<i>Pectobacterium (Erwinia) chrysanthemi</i>	Soft rot
<i>Pseudomonas fluorescens</i>	Pink eye
<i>Ralstonia solanacearum</i>	Brown rot & Bacterial wilt
<b>Garlic and Onion</b>	
<i>Burkholderia cepacia= Pseudomonas cepacia</i>	Sour skin
<i>Burkholderia gladioli pv. alliicola= Pseudomonas gladioli pv. alliicola</i>	Slippery skin
<i>Dickeya chrysanthemi= Erwinia chrysanthemi</i>	Bacterial soft rot
<i>Enterobacter cloacae</i>	Enterobacter bulb decay
<i>Erwinia herbicola</i>	Bacterial flower stalk and leaf necrosis
<i>Erwinia rhapontici</i>	Bacterial soft rot
<i>Pantoea agglomerans</i>	Bacterial flower stalk and leaf necrosis
<i>Pantoea ananatis= Erwinia ananatis</i>	Center rot
<i>Pseudomonas aeruginosa</i>	Bacterial internal brown rot of bulbs
<i>Pseudomonas marginalis pv. marginalis</i>	Bacterial flower stalk and leaf necrosis

<i>Pseudomonas syringae</i>	Bacterial leaf spot and flower stalk necrosis
<i>Pseudomonas viridiflava</i>	Bacterial leaf streak and bulb rot
<i>Xanthomonas axonopodis</i> pv. <i>allii</i>	Xanthomonas leaf blight
<b>Maize</b>	
<i>Clavibacter michiganensis</i> pv. <i>nebraskensis</i>	Leaf blight & bacterial wilt
<i>Enterobacter (Erwinia) dissolvens</i>	Bacterial stalk rot
<i>Erwinia stewartii</i> , syn. <i>Pantoea stewartii</i>	Stewart's wilt
<i>Pseudomonas syringae</i> pv. <i>coronafaciens</i>	Chocolate spot
<i>Xanthomonas campestris</i> pv. <i>holcicola</i>	Bacterial leaf spot
<b>Sunflower</b>	
<i>Pseudomonas solanacearum</i>	Bacterial wilt
<i>Pseudomonas syringae cichorii</i>	Bacterial leaf spot
<i>Pseudomonas syringae</i> pv. <i>aptata</i>	Bacterial leaf spot
<i>Pseudomonas syringae</i> pv. <i>mellea</i>	Bacterial leaf spot
<i>Pseudomonas syringae</i> pv. <i>tagetis</i>	Apical chlorosis
<i>Pseudomonas syringe</i> pv. <i>helianthi</i>	Bacterial leaf spot
<b>Alfa Alfa</b>	
<i>Clavibacter michiganensis</i> subsp. <i>insidiosus</i>	Bacterial wilt
<i>Massarina walkeri (Acrocalymma Medicaginis)</i>	Root & crown rot
<i>Plenodomus meliloti</i>	Root rot
<i>Pseudopeziza medicaginis</i>	Common leaf spot
<i>Xylaria</i> sp.	Corky root rot
<i>Xylella fastidiosa</i>	Dwarf
<b>Wheat</b>	
<i>Erwinia rhapontici</i>	Pink seed
<b>Sorghum</b>	
<i>Bolksholderia andropogonis</i>	Bacterial leaf stripe
<i>Pseudomonas syringae</i>	Bacterial leaf spot
<i>Xanthomonas campestris</i> pv. <i>holcicola</i>	Bacterial streak
<b>Soybean</b>	
<i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i>	Bacterial wilt
<b>Tomato</b>	
<i>Clavibacter michiganen</i> subsp. <i>michiganensis</i>	Bacterial canker
<i>Pseudomonas corrugata</i>	Pith necrosis
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	Syringae leaf spot
<i>Pseudomonas syringae</i> pv. <i>tomato</i>	Bacterial speck
<i>Ralstonia solanacearum</i>	Bacterial wilt
<b>Pepper</b>	
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i>	Bacterial canker
<i>Pseudomonas syringae</i> pv. <i>syringae</i> = <i>P. syringae</i>	Syringae seedling blight and leaf spot
<i>Ralstonia solanacearum</i>	Bacterial wilt

<b>Eggplant</b>	
<i>Ralstonia solanacearum</i>	Bacterial Wilt
<b>Carrot</b>	
<i>Agrobacterium rhizogenes</i>	Hairy root
<i>Agrobacterium tumefaciens</i>	Crown gall
<i>Streptomyces scabiei</i> = <i>Streptomyces scabi</i>	Scab
<i>Xanthomonas campestris</i>	Bacterial leaf blight
<i>Xanthomonas campestris</i> pv. <i>carotae</i>	Carrot bacteriosis
<b>Cucurbits</b>	
<i>Acidovorax avena</i> subsp. <i>citrulli</i> = <i>Pseudomonas pseudoalcaligenes</i> subsp. <i>citrulli</i>	Bacterial fruit blotch/seedling blight
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Angular leaf spot
<i>Xanthomonas campestris</i> pv. <i>cucurbitae</i>	Bacterial leaf spot
<b>Pearl millet</b>	
<i>Pseudomonas syringae</i>	Bacterial spot
<i>Xanthomonas campestris</i> pv. <i>pennamericanum</i>	Bacterial leaf streak
<b>Rice</b>	
<i>Burkholderia (Pseudomonas) glumae</i>	Grain rot
<i>Erwinia chrysanthemi</i>	Foot rot
<i>Pseudomonas fuscovaginae</i>	Sheath brown rot
<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> = <i>X. campestris</i> pv. <i>oryzae</i>	Bacterial blight
<i>Xanthomonas oryzae</i> pv. <i>oryzicola</i>	Bacterial leaf streak
<b>Crucifers</b>	
<i>Pseudomonas marginalis</i> pv. <i>marginalis</i>	Bacterial soft rot <i>Pseudomonas</i>
<i>Pseudomonas syringae</i> pv. <i>maculicola</i>	Bacterial leaf spot
<i>Xanthomonas campestris</i> pv. <i>raphani</i>	<i>Xanthomonas</i> leaf spot
<b>Sweet potatoes (Tissue culture)</b>	
<i>Erwinia chrysanthemi</i>	Bacterial soft rot
<b>Grape</b>	
<i>Agrobacterium vitis</i>	Crown gall
<i>Xylella fastidiosa</i>	Pierce's disease
<i>Xylophilus ampelinus</i> = <i>Xanthomonas ampelina</i>	Bacterial necrosis (Happy Disease)
<b>Beet</b>	
<i>Curtobacterium flaccumfaciens</i> pv. <i>betae</i> = <i>Corynebacterium betae</i>	Silvering disease
<i>Erwinia carotovora</i> subsp. <i>betavascularum</i>	Bacterial vascular necrosis and rot
<i>Pseudomonas syringae</i> pv. <i>aptata</i>	Bacterial blight
<i>Xanthomonas beticola</i>	Bacterial pocket



<b>Lettuce</b>	
<i>Pseudomonas cichorii</i>	Varnish spot
<i>Pseudomonas marginalis</i>	Bacterial soft rot
<i>Rhizomonas suberifaciens</i>	Corky root
<i>Xanthomonas campestris</i> pv. <i>vitians</i>	Bacterial leaf spot and head rot
<b>Chickpea</b>	
<i>Xanthomonas campestris</i> pv. <i>cassiae</i>	Bacterial blight
<b>Strawberry</b>	
<i>Pseudomonas solanacearum</i>	Bacterial wilt
<i>Rhodococcus fascians</i> = <i>Corynebacterium fascians</i>	Cauliflower disease (complex)
<i>Xanthomonas fragariae</i>	Angular leaf spot
<b>Sugarcane (Cuttings)</b>	
<i>Xanthomonas albilineans</i>	Leaf scald
<i>Xanthomonas axonopodis</i> pv. <i>vasculorum</i>	Gumming disease
<b>Mango (Tissue culture)</b>	
<i>Xanthomonas campestris</i> pv. <i>mangiferaeindicae</i>	Bacterial black spot = bacterial canker
<b>Olive</b>	
<i>Pseudocercospora cladosporioides</i>	Cercosporiose
<i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i>	Olive Knot
<i>Xylella fastidiosa</i>	Olive Quick Decline
<b>Cotton</b>	
<i>Erwinia herbicola</i> = <i>Pantoea agglomerans</i>	Lint degradation
<b>Banana</b>	
<i>Erwinia carotovora</i>	Rhizome rot
<i>Erwinia chrysanthemi</i>	Rhizome rot
<i>Pseudomonas solanacearum</i> (race 1)	Bacterial wilt
<i>Pseudomonas solanacearum</i> (race 2)	Moko & Bugtok
<i>Pseudomonas</i> spp.	Blood disease
<i>Pseudomonas</i> spp.	Javanese vascular wilt
<i>Xanthomonas campestris</i> pv. <i>musacearum</i>	Xanthomonas enslet wilt
<b>Citrus</b>	
<i>Candidatus Liberibacter africanus</i>	Citrus greening
<i>Candidatus Liberibacter asiaticus</i>	Citrus greening
<i>Pseudomonas syringae</i>	Black pit & Blast
<i>Xylella fastidiosa</i>	Citrus variegated chlorosis

### Quarantine Pests (Viruses & Phytoplasma) Declined Entry into Sudan (Zero Tolerance)

<b>Potato</b>	
Alfalfa mosaic virus (AMV)	Alfalfa mosaic virus

Andean potato latent virus (APLV)	Andean potato latent virus
Andean potato mottle virus (APMV)	Andean potato mottle virus
Arracacha virus B Oca strain (AVB-O)	Arracacha virus B - O strain
Beet curly top virus (BCTV)	Beet curly top virus
Cucumber mosaic virus (CMV)	Cucumber mosaic virus
Eggplant mottle dwarf virus (EMDV)	Eggplant mottle dwarf virus
Potato Aucuba Mosaic Virus (PAMV)	Mosaic
Potato black ringspot virus (PBRSV)	Potato black ringspot virus
Potato deforming mosaic virus (PDMV)	Potato deforming mosaic virus
Potato latent virus (PLV)	Potato latent virus
Potato Leaf Roll Virus (PLRV)	Leaf roll
Potato Mop Top Virus (PMTV)	Mop top
Potato Virus A (PVA)	Mild mosaic
Potato Virus M (PVM)	Potato leaf rolling mosaic
Potato Virus S (PVS)	Bronze mottling
Potato virus T (PVT)	Potato virus T
Potato virus U (PVU)	Potato virus U
Potato Virus V (PVV)	Stipple-streak
Potato Virus X (PVX)	Potato latent disease
Potato Virus Yc (PVYc)	Stipple-streak & eye disease
Potato Virus Yn (PVYn)	Mild mottling
Potato Virus Yntn (PVYntn)	Mottling & Crinkling
Potato Virus Yo (PVYo)	Crinkling
Potato yellow dwarf virus (PYDV)	Potato yellow dwarf virus
Potato yellow mosaic virus (PYMV)	Potato yellow mosaic virus
Potato yellow vein virus (PYVV)	Potato yellow vein virus
Potato yellowing virus (PYV)	Potato yellowing virus
Solanum apical leaf curling virus (SALCV)	Solanum apical leaf curling virus
Sowbane mosaic virus (SoMV)	Sowbane mosaic virus
Tobacco mosaic virus (TMV)	Tobacco mosaic virus
Tobacco Necrosis Virus (TNV)	Necrosis
Tobacco Rattle Virus (TRV)	Stem mottle & Spraing
Tobacco streak virus (TSV)	Tobacco streak virus
Tomato black ring virus (ToBRV)	Tomato black ring virus
Tomato mosaic virus (ToMV)	Tomato mosaic virus
Tomato spotted wilt virus (TSWV)	Tomato spotted wilt virus
Tomato yellow mosaic virus (ToYMV)	Tomato yellow mosaic virus
Wild potato mosaic virus (WPMV)	Wild potato mosaic virus
<b>Garlic and Onion</b>	
Aster yellows phytoplasma= Onion yellows phytoplasma	Aster yellows
Garlic common latent virus (GCLV)	Garlic mosaic
Garlic mite-borne mosaic virus (GM-BMV)	Garlic mosaic
Garlic mosaic virus (GarMV)	Mosaic

Garlic virus X (GVX)	Garlic mosaic
Garlic viruses A-D (GVA-D)	Garlic mosaic
Iris yellow spot virus (IYSV)	Iris yellow spot
Leek yellow stripe virus (LYSV)	Garlic mosaic
Onion yellow dwarf virus (OYDV)	Garlic mosaic
Onion yellow dwarf virus (OYDV)	Onion yellow dwarf
Shallot latent virus (SLV)	Garlic mosaic
Shallot virus X (SVX)	Garlic mosaic
Yellow streak virus (YSV)	Streak
<b>Maize</b>	
American wheat striate mosaic virus (AWSMV)	American wheat striate
Barley stripe mosaic virus (BSMV)	Barley stripe mosaic
Barley yellow dwarf virus (BYDV)	Barley yellow dwarf
Brome mosaic virus (BMV)	Brome mosaic
Cereal chlorotic mottle virus (CCMV)	Cereal chlorotic mottle
Johnsongrass mosaic virus (JGMV)	Johnsongrass mosaic
Maize bushy stunt phytoplasma (MBS)	Maize bushy stunt (MBS)
Maize chlorotic dwarf virus (MCDV)	Chlorotic dwarf
Maize chlorotic mottle virus (MCMV)	Chlorotic mottle
Maize dwarf mosaic virus (MDMV)	Dwarf Mosaic
Maize fine stripe virus (MRFV)	Striping
Maize leaf fleck virus (MLFV)	Maize leaf fleck
Maize lethal necrosis (MLN)	Necrosis
Maize line virus (MLV)	Maize line
Maize mosaic virus (MMV)	Striping, Dwarf & Necrosis
Maize pellucid ringspot virus (MPRV)	Maize pellucid ringspot
Maize ring mottle virus (MRMV)	Maize ring mottle
Maize rough dwarf virus (MRDV)	Stunting & Malformation
Maize sterile stunt virus (MSV)	Maize sterile stunt
Maize Streak virus (MSV)	Streaking & Stunting
Maize stripe virus (M StV)	Striping & Stunting
Maize tassel abortion virus (MTAV)	Maize tassel abortion
Maize vein enation virus (MVEV)	Maize vein enation
Maize wallaby ear virus (MWEV)	Maize wallaby ear
Maize white leaf virus (MWLV)	Maize white leaf
Maize white line mosaic virus (MWLMV)	Maize white line mosaic
Millet red leaf virus (MRLV)	Millet red leaf
Northern cereal mosaic virus (NCMV)	Northern cereal mosaic
Oat pseudorosette virus (OPV)	Oat pseudorosette
Oat sterile dwarf virus (OSDV)	Oat sterile dwarf
Rice black-streaked dwarf virus (RBSDV)	Rice black-streaked dwarf
Rice stripe virus (RSV)	Rice stripe
Sorghum mosaic virus (SrMV)	Sorghum mosaic
Spiroplasma kunkeii syn. Corn Stunt Spiroplasma	Corn stunt (CS)

Sugarcane Fiji disease virus (FDV)	Sugarcane Fiji disease
Sugarcane mosaic virus (SCMV)	Mosaic
Wheat mosaic virus (WMoV)	Maize red stripe, Wheat mosaic virus
Wheat mosaic virus (WMoV)	Wheat mosaic
Wheat streak mosaic virus (WSMV)	Corn lethal necrosis
<b>Sunflower</b>	
Aster yellows phytoplasma	Aster yellows
Sunflower Chlorotic Mosaic Virus (SCMV)	Sunflower chlorotic mosaic
Tobacco Mosaic Streak Virus (TMSV)	Mosaic Streaking & Necrosis
<b>Alfa Alfa</b>	
Alfalfa enation virus (AEV)	Alfalfa enation
Aster yellows phytoplasma	Aster yellows
Bean leaf roll virus (BLRV)	Bean leaf roll
Bean yellow mosaic virus (BYMV)	Bean yellow mosaic
Lucerne Australian latent virus (LALV)	Lucerne Australian latent
Lucerne Australian symptomless virus (LASV)	Lucerne Australian symptomless
Lucerne transient streak virus (LTSV)	Lucerne transient streak
Pea streak virus (PSV)	Pea streak
Red clover vein mosaic virus (RCVMV)	Red clover vein mosaic
Tobacco streak virus (TSV)	Tobacco streak
White clover mosaic virus (WCMV)	White clover mosaic
<b>Wheat</b>	
Aster yellows phytoplasma	Aster yellows
Barley yellow dwarf virus (BYDV)	Barley yellow dwarf
<b>Sorghum</b>	
Maize Chlorotic dwarf virus (MCDV)	Maize chlorotic dwarf
Maize dwarf mosaic virus (MDMV)	Maize dwarf mosaic
Sugarcane mosaic virus (SMV)	Sugarcane mosaic
Yellow sorghum stunt phytoplasma	Yellow sorghum stunt
<b>Soybean</b>	
Bean pod mottle virus (BPMV)	Bean pod mottle
Bean yellow mosaic virus (BYMV)	Bean yellow mosaic
Cowpea chlorotic mottle virus (CCMV)	Cowpea chlorotic mottle
Mung bean yellow mosaic virus (MYMV)	Mung bean yellow mosaic
Peanut mottle virus (PeMoV)	Peanut mottle
Peanut stripe virus (PStV)	Peanut stripe
Peanut stunt virus (PSV)	Peanut stunt
Soybean chlorotic mottle virus (SbCMV)	Soybean chlorotic mottle
Soybean crinkle leaf virus (SCLV)	Soybean crinkle leaf
Soybean dwarf virus (SbDV)	Soybean dwarf
Soybean mosaic virus (SMV)	Soybean mosaic
Soybean severe stunt virus (SSSV)	Soybean severe stunt

Tobacco ringspot virus (TRSV)	Tobacco ring spot (Bud blight)
Tobacco streak virus (TSV)	Brazilian bud blight
<b>Tomato</b>	
Alfalfa mosaic virus (AMV)	Tomato necrosis
Cucumber mosaic virus (CMV)	Tomato fern leaf
Curly top virus (CTV)	Curly top
Pseudo curly top virus (PCTV)	Pseudo curly top
Tobacco etch virus (TEV)	Tomato etch
Tobacco mosaic virus (TMV)	Common mosaic of tomato (internal browning of fruit)
Tomato bushy stunt virus (TBSV)	Tomato bushy stunt
Tomato yellow leaf curl virus (TYLCV)	Tomato yellow leaf curl
<b>Pepper</b>	
Andean potato mottle virus-pepper strain (APMoV)	Andean potato mottle
Beet curly top virus (BCTV)	Beet curly top
Chili veinal mottle virus (ChiVMV)	Chili veinal mottle
Chino del tomate virus (CdTV)	Chino del tomate
Cucumber mosaic virus (CMV)	Cucumber mosaic
Pepper huasteco virus (PHV)	Pepper huasteco
Pepper mild mottle virus (PMMV)	Pepper mild mottle
Pepper mild tigre virus (PMTV)	Mild Tigre Viruses
Pepper mottle virus (PepMoV)	Pepper mottle
Pepper veinal mottle virus (PVMV)	Pepper veinal mottle
Potato virus Y (PVY)	Potato virus Y
Serrano golden mosaic virus (SGMV)	Mild Tigre Viruses
Sinaloa tomato leaf curl virus (TLCV)	Sinaloa tomato leaf curl
Texas Pepper, Serrano Golden Mosaic, and Pepper Mild Tigre Viruses	Pepper golden mosaic complex
Tobacco etch virus (TEV)	Tobacco etch
Tobacco leaf curl virus (TLCV)	Chili leaf curl
Tobacco mosaic virus (TMV)	Tobacco mosaic
Tomato mosaic virus (ToMV)	Tomato mosaic
Tomato spotted wilt virus (TSWV)	Tomato spotted wilt
<b>Eggplant</b>	
Peanut bud necrosis virus (PBNV)	Peanut bud necrosis virus
Tobacco Ring Spot Virus (TRSV)	Yellows
<b>Carrot</b>	
Alfalfa mosaic virus (AMV)	Alfalfa mosaic
Aster yellows phytoplasma	Aster yellows
Beet curly top virus (BCTV)	Curly top
Carrot latent virus (CtLtV)	Carrot latent
Carrot mottle virus (CMoV)	Carrot mottle
Carrot mottle virus (CMoV)	Motley dwarf

Carrot red leaf virus (CaRLV)	Carrot red leaf
Carrot red leaf virus (CaRLV)	Motley dwarf
Carrot thin leaf virus (CTLV)	Carrot thin leaf
Carrot yellow leaf virus (CYLV)	Carrot yellow leaf
Celery mosaic virus (CeMV)	Celery mosaic
Cucumber mosaic virus (CMV)	Cucumber mosaic
<b>Cucurbits</b>	
Bean yellow mosaic virus (BYMV)	Chlorotic leaf spot
Beet curly top virus (BCTV)	Curly top
Cucumber green mottle mosaic virus (CGMMV)	Cucumber green mottle
Cucumber vein yellowing virus (CVYV)	Cucumber vein yellowing virus
Lettuce infectious yellows virus (LIYVV)	Lettuce infectious yellows
Melon leaf curl virus (MLCV)	Melon leaf curl
Melon necrotic spot virus (MNSV)	Melon necrotic spot
MLO	Aster yellows
Muskmelon vein necrosis virus (MkVNV)	Muskmelon vein necrosis
Papaya ringspot virus W strain (PRSV-W)	Mosaic
Squash leaf curl virus (SqLCV)	Squash leaf curl
Squash mosaic virus (SqMV)	Squash mosaic
Tobacco ringspot virus (TobRSV)	Tobacco ringspot
Tomato ringspot virus (TRSV)	Tomato ringspot
Tomato spotted wilt virus (TSWV)	Tomato spotted wilt
Watermelon mosaic virus (WMV)	Watermelon mosaic
Zucchini yellows mosaic virus (ZYMV)	Zucchini yellows
<b>Pearl millet</b>	
Black streaked dwarf virus (BSDV)	Black streaked dwarf
Guinea grass mosaic virus (GGMV)	Guinea grass mosaic
Maize dwarf mosaic virus (MDMV)	Maize dwarf mosaic
Maize streak virus (MSV)	Maize streak
Panicum mosaic virus (PMV)	Panicum mosaic
Satellite panicum mosaic virus (SPMV)	Satellite panicum mosaic
Wheat streak mosaic virus (WSMV)	Wheat streak mosaic
<b>Rice</b>	
Barley yellow dwarf virus (BYDV)	Giallume
MLO	Rice yellow dwarf
Rice black streak dwarf virus (RGSDV)	Rice black streak dwarf
Rice dwarf virus (RDV)	Rice dwarf
Rice grassy stunt virus (RGSV)	Rice grassy stunt
Rice grassy stunt virus (RGSV)	Rice grassy stunt
Rice hoja blanca virus (RHBV)	Rice hoja blanca
Rice necrotic mosaic virus (RNMV)	Rice necrotic mosaic
Rice rugged stunt virus (RRSV)	Rice rugged stunt
Rice stripe virus (RStV)	Rice stripe

Rice transitory yellowing virus (RTYV)	Rice transitory yellowing
Rice tungro bacilliform virus (RTBV)	Tungro (rice tungro disease)
Rice tungro spherical virus (RTSV)	Tungro (rice tungro disease)
Rice yellow mottle virus (RYMV)	Rice yellow mottle
<b>Crucifers</b>	
Beet western yellows virus	Yellows
Cauliflower mosaic virus	Cauliflower mosaic
Radish mosaic virus	Radish mosaic
Turnip yellow mosaic virus	Turnip mosaic
<b>Broad bean</b>	
Alfalfa mosaic virus (AMV)	Necrotic streak
Aster yellows	
Bean common mosaic virus (BCMV)	Bean common mosaic
Bean leaf roll virus (BLRV)	Bean leaf roll
Bean yellow mosaic virus (BYMV)	Bean yellow mosaic
Beet western yellows virus (BWYV)	Beet western yellows
Broad bean mottle virus (BBMV)	Broad bean mottle
Broad bean stain virus (BBSV)	Broad bean stain
Broad bean true mosaic virus (BBTMV)	Broad bean true mosaic
Pea seed-borne mosaic (PSbMV)	Pea seed-borne mosaic
Soybean dwarf virus (SDV)	Broad bean dwarf
<b>Peanut bean</b>	
Cowpea mild mottle virus	Cowpea mild mottle
Groundnut chlorotic rosette virus	Groundnut rosette
Groundnut crinkle virus	Groundnut crinkle
Groundnut eyespot virus	Groundnut eyespot
Groundnut green rosette virus	Groundnut rosette
Groundnut streak virus	Groundnut streak
Peanut clump virus	Peanut clump
Peanut green mosaic virus	Peanut green mosaic
Peanut mottle virus	Peanut mottle
Peanut stripe virus	Peanut stripe
Peanut stunt virus	Peanut stunt
Peanut yellow mottle virus	Peanut yellow mottle
Phytoplasma	Witches' broom
Rickettsia-like organism	Rugose leaf curl
Tomato spotted wilt virus	Peanut ringspot or bud necrosis
Tomato spotted wilt virus	Tomato spotted wilt
<b>Sweet potatoes (Tissue culture)</b>	
Internal cork strain of Sweet potato feathery mottle virus (SPFMV-IC)	Internal cork
Russet crack strain of Sweet potato feathery mottle virus (SPFMV-RC)	Russet crack

Sweet potato feathery mottle virus (SPFMV)	Feathery mottle
Sweet potato feathery mottle virus and Sweet potato chlorotic stunt virus	Sweet potato virus disease
Sweet potato latent virus (SPLV)	Latent virus
Sweet potato mild mottle virus (SPMMV)	Mild mottle
<b>Grape</b>	
Arabis mosaic virus (ARMV)	Arabis mosaic
Artichoke Italian latent virus (AILV)	Artichoke Italian latent
Bratislava mosaic virus (BMV)	Bratislava mosaic
Closterovirus-associated (CVA)	Leafroll
Grapevine Bulgarian latent virus (GBV)	Grapevine Bulgarian latent
Grapevine chrome mosaic virus (GCMV)	Grapevine chrome mosaic
Grapevine fanleaf virus (GFV)	Fanleaf degeneration
Grapevine Virus B (GVB)	Corky bark
MLO	golden flavescence
Peach rosette mosaic virus (PRMV)	Peach rosette mosaic virus decline
Petunia asteroid mosaic virus (PAMV)	Petunia asteroid mosaic
phytoplasma	Black wood disease
phytoplasma	Grapevine yellows
Raspberry ringspot virus (RRV)	Raspberry ring spot
Sowbane mosaic virus (SMV))	Sowbane mosaic
Strawberry latent ringspot virus (SLRV)	Strawberry latent ringspot
Tobacco mosaic virus (TMV)	Tobacco mosaic
Tobacco necrosis virus (TNV)	Tobacco necrosis
Tobacco ringspot virus (TRV)	Tobacco ringspot virus decline
Tomato black ring virus (TBRV)	Tomato black ring
Tomato ringspot virus (TORV)	Tomato ringspot virus decline
Viroid	Yellow speckle
<b>Beet</b>	
Alfalfa mosaic virus (AMV)	Alfalfa mosaic
Beet curly top virus (BCTV)	Beet curly top
Beet distortion mosaic virus (BDMV)	Beet distortion mosaic
Beet leaf curl virus (BCLV)	Beet leaf curl
Beet mosaic virus (BtMV)	Beet mosaic
Beet necrotic yellow vein virus (BNYVV)	Rhizomania
Beet western yellows virus (BWMY)	Beet western yellows
Beet yellow net virus (BYNV)	Beet yellow net
Beet yellows virus (BYV)	Beet yellows
Lettuce infectious yellows virus (LIYV)	Lettuce infectious yellows
<b>Lettuce</b>	
Aster yellows phytoplasma	Virescence
Beet western yellows virus	Speckles
Beet western yellows virus	Yellows



Beet yellow stunt virus	Stunt
Bidens mosaic virus	Mosaic
Broadbean wilt virus	Wilt
Lettuce mosaic virus	Internal rib necrosis
Lettuce mosaic virus	Mosaic
Lettuce mosaic virus	Rusty brown discoloration
Lettuce necrotic yellows virus	Necrotic yellows
Lettuce speckles virus	Speckles
Tobacco rattle virus	Yellow spot
Tobacco ringspot virus	Calico
Tomato spotted wilt virus	Wilt
Turnip mosaic virus	Mosaic
<b>Chickpea</b>	
Bean (pea) leaf roll virus	Stunt
Bean yellow mosaic virus	Narrow leaf
Chickpea bushy stunt virus	Bushy stunt
Chickpea distortion mosaic virus	Distortion mosaic
Chickpea filiform virus	Filiform
Lettuce necrotic yellows virus	Necrosis
Pea enation mosaic virus	Yellowing
Pea streak virus	Necrosis
<b>Strawberry</b>	
Arabis mosaic virus (ArMV)	Arabis mosaic (nepovirus)
Aster yellows phytoplasma	Aster yellows
Raspberry ringspot virus (RRV)	Raspberry ringspot (nepovirus)
Strawberry chlorotic fleck virus (SCFV)	Strawberry chlorotic fleck
Strawberry crinkle virus (SCV)	Strawberry crinkle
Strawberry feather-leaf virus (SF-LV)	Strawberry feather-leaf
Strawberry green petal phytoplasma	Strawberry green petal
Strawberry latent C virus (SLCV)	Strawberry latent C virus in Fragaria
Strawberry latent ringspot virus (SLRV)	Strawberry latent ringspot (nepovirus)
Strawberry leaf roll virus (SLRV)	Strawberry leaf roll
Strawberry lethal decline phytoplasma	Strawberry lethal decline
Strawberry mild yellow-edge virus (SMYEV)	Strawberry mild yellow-edge
Strawberry mottle virus (SMV)	Strawberry mottle
Strawberry Multiplier MLO	Strawberry multiplier plant
Strawberry pseudo mild yellow-edge virus (SPMYEV)	Strawberry pseudo mild yellow-edge
Strawberry vein banding virus (SVBV)	Strawberry vein banding
Strawberry witches'-broom MLO	Strawberry witches'-broom
Strawberry yellows phytoplasma	Strawberry mycoplasma yellows disease
Strawberry yellows rickettsia-like organism (SYRLO)	Strawberry rickettsia yellows disease
Tobacco necrosis virus (TNV)	Tobacco necrosis virus in Fragaria vesca
Tobacco streak virus, strawberry strain (TSV-SNS)	Necrotic shock
Tomato black ring virus (TomBRV)	Tomato black ring (nepovirus)

Tomato ringspot virus (TomRSV)	Tomato ringspot (nepovirus)
<b>Rhodes grass</b>	
Chloris striate mosaic virus (CSMV)	
<b>Paulownia</b>	
Phytoplasma sp.	Witches broom
<b>Sugarcane (Cuttings)</b>	
Maize streak virus, sugarcane strain (MSV- SS)	Streak disease
Sugarcane dwarf virus (SDV)	Dwarf
Sugarcane Fiji disease virus (SFDV)	Fiji disease
Sugarcane mosaic virus (SMV)	Mosaic
Sugarcane Yellow Leaf Virus (SYLV)	Yellow Leaf
<b>Banana</b>	
Banana mild mosaic virus (BMV)	Banana mild mosaic
Banana streak virus (BSV)	Streak
Banana virus X (BVX)	Banana virus X
Banana(Abaca) bract mosaic virus (BBMV)	Bract mosaic
Banana(Abaca) bunchy top virus (BBTV)	Bunchy top
<b>Citrus</b>	
Citrus Crinkly leaf virus (CCLV)	Crinkly leaf
Citrus leaf rugose virus (CLRV)	Citrus leaf rugose
Citrus tatter leaf virus	Tatter leaf = citrange stunt
Citrus variegation virus (CVV)	Infectious variegation
Citrus yellow mosaic (CYM)	Citrus yellow mosaic
Satsuma dwarf virus (SDV)	Satsuma dwarf
Satsuma dwarf-related virus (SD-RV)	Citrus mosaic
<b>African bamboo (Culms)</b>	
Bamboo mosaic virus (BMV)	Bamboo mosaic potex virus
Phytoplasma	Little leaf disease

### Regulated Quarantine Pests (Nematodes) Declined Entry into Sudan (Zero Tolerance)

<b>Potato</b>	
<i>Globodera pallida</i>	Cyst Nematode
<i>Globodera rostochiensis</i>	Cyst Nematode
<i>Meloidogyne chitwoodi</i>	Columbia Root-knot Nematode
<i>Nacobus aberrans</i>	False Root-knot Nematode
<b>Maize</b>	
<i>Ditylenchus dipsaci</i>	Bulb and stem
<i>Dolichodorus heterocephalus</i>	Awl
<i>Heterodera avenae</i>	Cyst Nematode

<i>Heterodera zeae</i>	Cyst Nematode
<i>Longidorus breviannulatus</i>	Needle
<i>Nacobbus dorsalis</i>	False root-knot
<i>Punctodera chalcoensis</i>	Cyst Nematode
<i>Radopholus similis</i>	Burrowing
<i>Xiphinema americanum</i>	Dagger
<i>Xiphinema mediterraneum</i>	Dagger
<b>Wheat</b>	
<i>Anguina tritici</i>	Ear-cockle or seed gall
<i>Punctodera punctata</i>	Grass cyst nematode
<i>Subanguina</i> spp.	Root gall nematode
<b>Soybean</b>	
<i>Heterodera glycines</i>	Soybean cyst nematode
<b>Carrot</b>	
<i>Heterodera carotae</i>	Cyst nematode
<b>Pearl millet</b>	
<i>Heterodera gambiensis</i>	Cyst nematode
<b>Rice</b>	
<i>Aphelenchoides besseyi</i>	Crimp nematode, summer
<i>Hirschmaniella oryzae</i>	Root nematode, rice
<b>Crucifers</b>	
<i>Dolichodorus</i> spp.	Awl
<i>Heterodera cruciferae</i>	Cyst
<i>Heterodera schachtii</i>	Cyst
<b>Grape</b>	
<i>Criconemella xenoplax</i>	Ring
<b>Beet</b>	
<i>Heterodera schachtii</i>	Beet cyst nematode
<i>Heterodera trifolii</i>	Clover cyst nematode
<b>Chickpea</b>	
<i>Heterodera ciceri</i>	Pearly root (cyst nematode)
<i>Heterodera rosii</i>	Pearly root (cyst nematode)
<b>Strawberry</b>	
<i>Aphelenchoides besseyi</i>	Summer dwarf (crimp)
<i>Aphelenchoides fragariae</i>	Spring dwarf (crimp) or foliar nematodes
<i>Aphelenchoides fragariae</i>	Spring dwarf (crimp) or foliar nematodes
<i>Aphelenchoides ritzemabosi</i>	Spring dwarf (crimp) or foliar nematodes
<b>Sugarcane (Cuttings)</b>	
<i>Scutellonema</i> spp.	Spiral

### Regulated Non-quarantine Pests (Fungi) in Sudan (Tolerance = 0 to 5)

Potato	Disease	Tolerance
<i>Aecidium cantensis</i>	Deforming rust	0%
<i>Alternaria alternata</i> = <i>Alternaria tenuis</i>	Brown spot & Black pit	5%
<i>Alternaria solani</i>	Early blight	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Stem rot	0%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Grey mould	5%
<i>Colletotrichum coccodes</i> = <i>Colletotrichum atramentarium</i>	Black dot	2%
<i>Dematophora</i> sp. ( <i>Rosellinia necatrix</i> )	Rosellinia wilt & Black dot	0%
<i>Fusarium acuminatum</i>	Dry rot	2%
<i>Fusarium avenaceum</i>	Wilt	2%
<i>Fusarium avenaceum</i>	Dry rot	2%
<i>Fusarium crookwellense</i>	Dry rot	2%
<i>Fusarium equiseti</i>	Dry rot	2%
<i>Fusarium oxysporum</i>	Wilt	2%
<i>Fusarium solani</i> var. <i>coeruteum</i> ,	Dry rot	2%
<i>Fusarium sulphureum</i>	Dry rot	2%
<i>Gibberella pulicaris</i> ( <i>Fusarium solani</i> )	Dry rot	2%
<i>Macrophomina phaseoli</i> ( <i>phaseolina</i> )= <i>Sclerotium bataticola</i>	Charcoal rot	2%
<i>Phoma andigena</i> var. <i>andina</i>	Phoma leaf spot	5%
<i>Phoma eupyryna</i>	Phoma eupyryna disease	0%
<i>Phoma exigua</i>	Thumbmark rot	2%
<i>Phoma foveata</i>	Gangarene	2%
<i>Phytophthora infestans</i>	Late blight	0%
<i>Septoria lycopersici</i> var. <i>malagutii</i>	Septoria leaf spot	5%
<i>Spongospora subterranea</i>	Powdery scab	0%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Black scurf & Canker	2%
Garlic and Onion	Disease	Tolerance
<i>Alternaria porri</i>	Purple blotch	5%
<i>Botryotinia allii</i> ( <i>Botrytis byssoidea</i> )	Neck rot	5%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Flower and capsule blight & Botrytis brown stain	5%
<i>Botryotinia porri</i> ( <i>Botrytis porri</i> )	Botrytis Rot	5%
<i>Botryotinia squamosa</i> ( <i>Botrytis squamosa</i> )	Flower and capsule and leaf blight	5%
<i>Botrytis aclada</i>	Flower and capsule blight & Neck rot	5%
<i>Botrytis allii</i>	Flower & capsule blight, Neck rot	5%
<i>Ceratobasidium</i> spp. ( <i>Rhizoctonia</i> spp.)	Seed rot and seedling disease	0%
<i>Cercospora duddiae</i>	Cercospora leaf spot	5%
<i>Colletotrichum circinans</i> = <i>Vermicularia circinans</i>	Smudge	5%
<i>Colletotrichum dematium</i>	Smudge	5%
<i>Fusarium culmorum</i> = <i>Fusarium roseum</i>	Basal Rot	5%

<i>Fusarium equiseti</i>	Fusarium damping-off	5%
<i>Fusarium oxysporum</i> f. sp. <i>cepae</i>	Fusarium damping-off	5%
<i>Fusarium proliferatum</i> = <i>Cephalosporium proliferatum</i>	Fusarium bulb rot of onion and garlic	5%
<i>Fusarium solani</i>	Fusarium damping-off	5%
<i>Fusarium subglutinans</i>	Fusarium damping-off	5%
<i>Fusarium tricinctum</i>	Fusarium damping-off	5%
<i>Fusarium verticillioides</i> = <i>Fusarium moniliforme</i>	Fusarium damping-off	5%
<i>Glomerella cingulata</i> ( <i>Colletotrichum gloeosporioides</i> )	Twister	5%
<i>Lasiodiplodia theobromae</i> = <i>Diplodia natalensis</i> = <i>Botryodiplodia theobromae</i>	Diplodia stain	5%
<i>Macrophomina phaseolina</i> = <i>Sclerotium bataticola</i>	Charcoal rot	5%
<i>Mycosphaerella allii-cepae</i> ( <i>Cladosporium allii-cepae</i> )	Leaf blotch	5%
<i>Phoma terrestris</i> = <i>Pyrenochaeta terrestris</i>	Pink root	5%
<i>Phyllosticta allii</i>	Leaf blight	5%
<i>Pleospora allii</i> ( <i>Stemphylium vesicarium</i> )	Stemphylium leaf blight and stalk rot	5%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Seed rot and seedling disease	0%
<i>Urocystis cepulae</i> = <i>Urocystis magica</i>	Smut	0%
<i>Urocystis colchici</i>	Smut	0%
<b>Maize</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i> = <i>Alternaria tenuis</i>	Ear rot, minor	5%
<i>Ascochyta ischaemi</i>	Yellow leaf blight	5%
<i>Ascochyta maydis</i>	Leaf spots, minor	5%
<i>Ascochyta tritici</i>	Leaf spots, minor	5%
<i>Ascochyta zeicola</i>	Leaf spots, minor	5%
<i>Bipolaris maydis</i>	Maydis leaf blight	5%
<i>Bipolaris sorokiniana</i> ( <i>Helminthosporium sorokinianum</i> )	Leaf spots, minor	5%
<i>Botryodiplodia</i> ( <i>Lasiodiplodia</i> ) <i>theobromae</i>	Stalk rot & Black kernel rot	2%
<i>Botryosphaeria</i> ( <i>Physalospora</i> ) <i>zeae</i> , ( <i>Macrophoma zeae</i> )	Gray ear rot	2%
<i>Botryosphaeria festucae</i> ( <i>Diplodia frumenti</i> )	Diplodia ear rot and stalk rot	2%
<i>Cercospora zeae-maydis</i> , <i>C. sorghi</i> var. <i>maydis</i>	Gray leaf spot	5%
<i>Claviceps gigantea</i> ( <i>Sphacelia</i> sp.)	Ergot, horse's tooth	0%
<i>Cochliobolus carbonum</i> = <i>Bipolaris zeicola</i> ( <i>Helminthosporium carbonum</i> )	Northern corn leaf spot & leaf blight	5%
<i>Cochliobolus eragrostidis</i> ( <i>Curvularia eragrostidis</i> = <i>Curvularia moculans</i> )	Curvularia leaf spot	5%
<i>Cochliobolus heterostrophus</i> ( <i>Helminthosporium maydis</i> )	Maydis leaf blight	5%
<i>Cochliobolus intermedius</i> ( <i>Curvularia intermedia</i> )	Curvularia leaf spot	5%
<i>Cochliobolus lunatus</i> ( <i>Curvularia lunata</i> )	Curvularia leaf spot	5%

<i>Cochliobolus pallescens</i> ( <i>Curvularia pallescens</i> )	Curvularia leaf spot	5%
<i>Cochliobolus sativus</i> ( <i>Helminthosporium sativum</i> )	Leaf spots, minor	5%
<i>Cochliobolus tuberculatus</i> ( <i>Curvularia tuberculata</i> )	Curvularia leaf spot	5%
<i>Cochliobolus victoriae</i> ( <i>Helminthosporium victoriae</i> , <i>Bipolaris victoriae</i> )	Leaf spots, minor	5%
<i>Curvularia clavata</i> , <i>C. inaequalis</i> and <i>C. senegalensis</i>	Curvularia leaf spot	5%
<i>Didymella exitalis</i>	Didymella leaf spot	5%
<i>Diplodia maydis</i>	Seedling blight, seed, ear, stalk rot	2%
<i>Epicoccum nigrum</i>	Red kernel disease Ear mold, leaf and seed rot	0%
<i>Fusarium culmorum</i>	Ear rot, minor	5%
<i>Fusarium episphaeria</i>	Stalk rots, minor	2%
<i>Fusarium merismoides</i>	Stalk rots, minor	2%
<i>Fusarium oxysporum</i>	Stalk rots, minor	2%
<i>Fusarium poae</i>	Stalk rots, minor	2%
<i>Fusarium roseum</i>	Stalk rots, minor	2%
<i>Fusarium tricinctum</i>	Stalk rots, minor	2%
<i>Gaeumannomyces graminis</i>	Sheath rot	5%
<i>Gibberella avenacea</i> ( <i>Fusarium avenaceum</i> )	Seedling root rot & Stalk rot	5%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Stalk rot, ear rot & seedling blight	5%
<i>Gibberella zeae</i> ( <i>Fusarium graminearum</i> syn. <i>F. roseum</i> )	Stalk rot, ear rot & seedling blight	5%
<i>Gloeocercospora sorghi</i>	Zonate leaf spot	5%
<i>Glomerella graminicola</i> ( <i>Colletotrichum graminicola</i> )	Anthraxnose leaf blight & stalk rot	5%
<i>Graphium penicillioides</i>	Leaf spots, minor	5%
<i>Hypocrea rufa</i> ( <i>Trichoderma viride</i> = <i>T. lignorum</i> )	Trichoderma ear rot and root rot	5%
<i>Khuskia oryzae</i> ( <i>Nigrospra oryzae</i> )	Nigrospora ear rot	5%
<i>Leptosphaeria maydis</i>	Leaf spots, minor	5%
<i>Leptosphaeria michotii</i>	Leptosphaeria leaf spot	5%
<i>Leptosphaerulina</i> sp. ( <i>Hyalothyridium maydis</i> )	Hyalothyridium leaf spot	5%
<i>Leptothyrium zeae</i>	Leaf spots, minor	5%
<i>Macrophomina phaseolina</i>	Charcoal stalk rot & ear rot	5%
<i>Marasmiellus paspali</i> var. <i>americanus</i> , <i>M. paspali</i> var. <i>paspali</i> , <i>M. paspali sensu lato</i>	Vertical banded blight	5%
<i>Monascus purpureus</i>	Silage mold	5%
<i>Monascus ruber</i>	Silage mold	5%
<i>Mycosphaerella tassiana</i> ( <i>Hormodendrum cladosporoides</i> = <i>Cladosporium cladosporoides</i> , <i>C. herbarum</i> )	Hormodendrum ear rot Cladosporium ear rot	5%
<i>Mycosphaerella zeae-maydis</i> ( <i>Phyllostica maydis</i> )	Yellow leaf blight	5%
<i>Myrothecium gramineum</i>	Shuck rot	5%
<i>Nectria haematococca</i> ( <i>Fusarium solani</i> )	Stalk rots, minor	2%

<i>Ophiosphaerella herpotricha</i> ( <i>Scolecosporiella</i> sp.)	Leaf spots, minor	5%
<i>Paraphaeosphaeria michotii</i>	Leaf spots, minor	5%
<i>Phaeosphaeria maydis</i> = <i>Sphaerulina maydis</i>	Phaeosphaeria leaf spot	5%
<i>Phomopsis</i> spp., <i>Spicaria</i> spp.	Seed rot-seedling blight	5%
<i>Physoderma maydis</i>	Stalk rot, Brown & Black spots	5%
<i>Rhizoctonia solani</i> , <i>R. zea</i>	Root rot and stalk rot	5%
<i>Sclerospora graminicola</i>	Green ear disease	0%
<i>Selenophoma</i> sp.	Selenophoma leaf spot	5%
<i>Septoria maydis</i>	Septoria leaf blotch	5%
<i>Septoria zea</i>	Leaf spots, minor	5%
<i>Septoria zeicola</i>	Leaf spots, minor	5%
<i>Septoria zeina</i>	Leaf spots, minor	5%
<i>Setosphaeria pedicellata</i> ( <i>Helminthosporium pedicellatum</i> )	Root rot	5%
<i>Setosphaeria prolata</i> ( <i>Exserohilum prolatum</i> = <i>Drechslera prolata</i> )	Leaf spots, minor	5%
<i>Setosphaeria rostrata</i> ( <i>Helminthosporium rostratum</i> = <i>Exserohilum pedicellatum</i> )	Leaf disease, ear and stalk rot & leaf spot	5%
<i>Setosphaeria turcica</i> ( <i>Helminthosporium turcicum</i> = <i>Exserohilum turcicum</i> )	Leaf blight & White blast	5%
<i>Sphacelotheca reilliana</i> = <i>Sporisorium holci-sorghii</i>	Head smut	0%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> f. sp. <i>Saskii</i> )	Banded leaf and sheath blight	5%
<i>Ustilaginoidea virens</i>	False head smut	0%
<i>Waitea circinata</i> ( <i>Rhizoctonia zea</i> )	Rhizoctonia ear rot	0%
<b>Sunflower</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Albugo tragopogonis</i> = <i>Cystopus tragopogonis</i>	White rust	5%
<i>Alternaria alternata</i>	Leaf blight, stem spot, head rot	2%
<i>Alternaria tenuis</i>	Leaf blight, stem spot, head rot	2%
<i>Alternaria tenuissima</i>	Leaf blight, stem spot, head rot	2%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Head rot (gray mold)	2%
<i>Fusarium solani</i>	Stalk rot	2%
<i>Fusarium tabacinum</i>	Stalk rot	2%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Fusarium wilt	2%
<i>Gibberella intricans</i> ( <i>Fusarium equiseti</i> )	Stalk rot	2%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Myrothecium roridum</i>	Myrothecium leaf & stem spot	5%
<i>Myrothecium verrucaria</i>	Myrothecium leaf & stem spot	5%
<i>Nectria haematococca</i>	Stalk rot	2%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Seedling blight	0%
<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Athelia rolfsii</i> ( <i>Sclerotinia rolfsii</i> )	Southern blight	2%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Blossom blight	5%
<i>Chalara elegans</i> ( <i>Thielaviopsis basicola</i> )	Black root rot	5%

<i>Fusarium equiseti</i>	Root rot & Crown rot	2%
<i>Fusarium oxysporum</i>	Root rot & Crown rot	2%
<i>Fusarium oxysporum f. sp. medicaginis</i>	Fusarium wilt	2%
<i>Fusarium sambusinum</i>	Root rot & Crown rot	2%
<i>Gibberella acuminata (Fusarium acuminatum)</i>	Root rot & Crown rot	2%
<i>Gibberella avenacea (Fusarium avenaceum)</i>	Root rot & Crown rot	2%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Myrothecium roridum, M. verrucaria</i>	Myrothecium root rot	5%
<i>Nectria haematococca (Fusarium solani)</i>	Root rot & Crown rot	2%
<i>Phoma medicaginis</i>	Black stem, leaf spot & Crown rot	2%
<i>Phoma medicaginis</i>	Root rot & Crown rot	2%
<i>Phoma sclerotioiodes</i>	Brown root rot	2%
<i>Pleospora alfalfae (Stemphylium alfalfae)</i>	Stemphylium leaf spot	5%
<i>Pleospora herbarum (Stemphylium herbarum)</i>	Stemphylium leaf spot	5%
<i>Pleospora tarda (Stemphylium botryosum)</i>	Stemphylium leaf spot	5%
<i>Rhizoctonia leguminicola</i>	Black patch	5%
<i>Sclerotinia sclerotiorum</i>	Blossom blight, crown & stem rot	5%
<i>Sclerotinia trifoliorum</i>	Crown rot & stem rot	2%
<i>Stemphylium globuliferum</i>	Stemphylium leaf spot	5%
<i>Stemphylium vesicarium</i>	Stemphylium leaf spot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Root rot, Crown rot & Stem blight	2%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium dahlia</i>	Verticillium wilt	5%
<b>Wheat</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Ascochyta tritici</i>	Ascochyta leaf spot	5%
<i>Cladosporium spp.</i>	Black head sooty mold	5%
<i>Claviceps purpurea</i>	Ergot	0%
<i>Colletotrichum cereal</i>	Anthraxnose	0%
<i>Gibberella zeae (Fusarium graminearum)</i>	Head blight=Ear Blight (Scab)	2%
<i>Microdochium nivale</i>	Pink snow mold	5%
<i>Puccinia recondita f.sp. tritici</i>	Wheat leaf rust	0%
<i>Puccinia triticina</i>	Leaf rust (Brown rust)	0%
<i>Septoria tritici</i>	Septoria leaf blotch	0%
<b>Sorghum</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acremonium strictum syn. Cephalosporium acremonium</i>	Acremonium wilt	5%
<i>Ascochyta sorghi</i>	Rough leaf spot	5%
<i>Bipolaris cookie syn. Heminthsporium cookei</i>	Target spot	5%
<i>Cercospora fusimaculans</i>	Latter leaf spot	5%
<i>Cercospora sorghi</i>	Gray leaf rot	5%
<i>Claviceps sorghi (Sphacelia sorghi)</i>	Ergot	0%
<i>Excerohilum turcicum (Helminthsporium turcicum)</i>	Leaf blight & seed rot	5%
<i>Gibberella fujikuroi (Fusarium moniliforme)</i>	Head blight, root & stalk rot	2%



<i>Glomerella graminicola</i> ( <i>Colletotrichum graminicola</i> )	Anthracnose (foliar head & stalk)	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Peronosclerospora sorghi</i> , <i>Sclerospora sorghi</i>	Sorghum downy mildew	0%
<i>Phyllachora sacchari</i>	Tar spot	5%
<i>Puccinia purpurea</i>	Smut	0%
<i>Pythium aphanidermatum</i>	Seedling blight & seed rot	5%
<i>Pythium graminicola</i>	Root rot	5%
<i>Ramulispora sorghi</i>	Sooty stripe	0%
<i>Sporisorium cruenta</i> ( <i>Sphaceotheca cruenta</i> )	Loose smut	0%
<i>Sporisorium holsi-sorghi</i> ( <i>Sphacelotheca reiliana</i> )	Head smut	0%
<i>Sporisorium sorghi</i> ( <i>Sphacelotheca sorghi</i> )	Covered smut	0%
<b>Soybean</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria</i> spp.	Alternaria leaf spot	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Sclerotium blight (Southern blight)	5%
<i>Cercospora kikuchii</i>	Purple seed stain	5%
<i>Cercospora sojina</i>	Frogeye leaf spot	5%
<i>Colletotrichum dematium</i> f. <i>truncatum</i>	Anthracnose	5%
<i>Colletotrichum truncatum</i>	Anthracnose	5%
<i>Diaporthe phaseolorum</i> ( <i>Phomopsis sojiae</i> )	Pod and stem blight	5%
<i>Drechslera glycines</i>	Drechslera blight	5%
<i>Fusarium solani</i> f.sp. <i>glycines</i>	Sudden death syndrome	2%
<i>Fusarium</i> spp.	Fusarium root rot	2%
<i>Glomerella glycines</i> ( <i>Colletotrichum destructivum</i> )	Anthracnose	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Mycosphaerella usoenskajae</i> ( <i>Septoria glycines</i> )	Brown spot	5%
<i>Neocosmospora vasinfecta</i> ( <i>Acremonium</i> spp.)	Neocosmospora stem rot	5%
<i>Phialophora gregata</i> = <i>Cephalosporium gregatum</i>	Brown stem rot	5%
<i>Phomopsis</i> spp.	Phomopsis seed decay	5%
<i>Phyllosticta sojaecola</i>	Phyllosticta leaf spot	5%
<i>Phytophthora sojiae</i>	Phytophthora root and stem rot	5%
<i>Pleospora tarda</i> ( <i>Stemphylium botryosum</i> )	Stemphylium leaf blight	5%
<i>Pyrenochaeta glycines</i>	Pyrenochaeta leaf spot	5%
<i>Sclerotinia sclerotiorum</i>	Sclerotinia stem rot	5%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Damping-off, Aerial blight & root and stem rot	5%
<i>Thielaviopsis basicola</i> syn. <i>Chalara elegans</i>	Black root rot	5%
<b>Tomato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Black mold rot	5%
<i>Alternaria alternata</i>	Black shoulder	5%
<i>Alternaria alternata</i> f.sp. <i>lycopersici</i>	Alternaria stem canker	5%
<i>Alternaria solani</i>	Early blight	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Southern blight	0%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Gray mold	5%

<i>Cercospora fuligena</i>	Cercospora leaf mold	5%
<i>Cladosporium fulvum</i>	Leaf mold	5%
<i>Colletotrichum coccodes</i>	Anthracnose	5%
<i>Colletotrichum dematium</i>	Anthracnose	5%
<i>Colletotrichum gloeosporioides</i>	Anthracnose	5%
<i>Fulvia fulva</i>	Leaf mold	5%
<i>Fusarium oxysporum f.sp. lycopersici</i>	Fusarium wilt	2%
<i>Fusarium oxysporum f.sp. radices-lycopersici</i>	Fusarium crown and root rot	2%
<i>Glomerella cingulata</i>	Anthracnose	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Phoma destructiva</i>	Phoma rot	0%
<i>Phytophthora infestans</i>	Late blight	5%
<i>Pleospora herbarum (Stemphylium herbarum)</i>	Black mold rot	5%
<i>Pleospora lycopersici</i>	Black mold rot	5%
<i>Pleospora tarda (Stemphylium botryosum)</i>	Black mold rot	5%
<i>Pseudocercospora fuligena</i>	Cercospora leaf mold	5%
<i>Pyrenochaeta lycopersici</i>	Corky root rot	5%
<i>Stemphylium botryosum f.sp. lycopersici</i>	Gray leaf spot	5%
<i>Stemphylium floridanum</i>	Gray leaf spot	5%
<i>Stemphylium lycopersici</i>	Gray leaf spot	5%
<i>Stemphylium solani</i>	Gray leaf spot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Damping-off and fruit rot	5%
<i>Thielaviopsis basicola syn. Chalara elegans</i>	Black root rot	5%
<i>Ulocladium consortiale (Stemphylium consortiale)</i>	Black mold rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium dahliae</i>	Verticillium wilt	5%
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternate</i>	Alternaria rot	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Southern blight	5%
<i>Botrytis cinerea</i>	Gray mold & fruit rot	5%
<i>Colletotrichum gloeosporioides</i>	Anthracnose	5%
<i>Fusarium f. sp. capsici = Fusarium oxysporum</i>	Fusarium wilt	2%
<i>Fusarium solani</i>	Fusarium stem rot	2%
<i>Fusarium spp.</i>	Damping-off and root rot	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Phytophthora spp.</i>	Damping-off and root rot	5%
<i>Pythium spp.</i>	Damping-off and root rot	5%
<i>Rhizoctonia solani</i>	Damping-off and root rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<b>Eggplant</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria solani</i>	Early blight	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Southern blight	5%
<i>Colletotrichum melongenae</i>	Anthracnose	5%
<i>Fusarium spp.</i>	Damping-off	2%

<i>Rhizoctonia solani</i>	Damping-off	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<b>Carrot</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria dauci</i>	Alternaria leaf blight	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Southern blight	5%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Gray mold rot	5%
<i>Botrytis cinerea</i>	Watery soft rot	5%
<i>Colletotrichum gloeosporioides</i>	Umbel blight	5%
<i>Fusarium culmorum</i>	Root rot	2%
<i>Fusarium</i> sp.	Damping off, Hard rot & Dry rot	2%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Seed mold	2%
<i>Sclerotinia minor</i>	Cottony rot	5%
<i>Sclerotinia sclerotiorum</i>	Cottony rot & Licorice rot	5%
<i>Sclerotium rolfsii</i>	Root rot	5%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Crown rot, Damping off, Cavity spot & Canker	0%
<b>Cucurbits</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acremonium</i> spp.= <i>Cephalosporium</i> spp.	Root rot, Stem streak & Dieback, Damping off	5%
<i>Alternaria alternata</i>	Alternaria leaf spot	5%
<i>Alternaria cucumerina</i>	Alternaria leaf blight	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Southern blight (fruit and stem rot)	5%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Gray mold	5%
<i>Cladosporium cucumerinum</i>	Scab/gummosis	5%
<i>Didymella bryoniae</i> = <i>Mycosphaerella melonis</i> ( <i>Phoma cucurbitacearum</i> )	Gummy stem blight	5%
<i>Fusarium semitectum</i>	Fusarium fruit rot	2%
<i>Gibberella intricans</i> ( <i>Fusarium equiseti</i> )	Damping-off & fruit rot	2%
<i>Gibberella zeae</i> ( <i>Fusarium graminearum</i> )	Fusarium fruit rot	2%
<i>Glomerella lagenarium</i> ( <i>Colletotrichum orbiculare</i> = <i>Colletotrichum lagenarium</i> )	Anthracnose	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Myrothecium roridum</i>	Crater rot	5%
<i>Nectria haematococca</i> ( <i>Fusarium solani</i> f. sp. <i>Cucurbitae</i> )	Crown and foot rot & Fruit rot	2%
<i>Phoma exigua</i> = <i>Ascochyta phaseolorum</i>	Phoma blight	5%
<i>Phytophthora capsici</i>	Phytophthora root rot	5%
<i>Phytophthora</i> sp.	Damping-off	5%
<i>Rhizoctonia solani</i>	Damping-off	5%
<i>Thanatephora cucumeris</i> ( <i>Rhizoctonia solani</i> )	Belly rot	5%
<i>Trichothecium roseum</i>	Pink mold rot	5%
<i>Ulocladium consortiale</i>	Ulocladium leaf spot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium dahlia</i>	Verticillium wilt	5%

<b>Pearl millet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Cercospora penniseti</i>	Cercospora leaf spot	5%
<i>Claviceps fusiformis</i>	Ergot	5%
<i>Curvularia penniseti</i>	Curvularia leaf spot	5%
<i>Exserohilum rostratum</i>	Exserohilum leaf blight	5%
<i>Fusarium moniliforme</i>	Top rot	2%
<i>Moesziomyces penicillariae</i>	Smut	0%
<i>Myrothecium roridum</i>	Myrothecium leaf spot	5%
<i>Phyllosticta penicillariae</i>	Phyllosticta leaf blight	5%
<i>Rhizoctonia solani</i>	Rhizoctonia blight	5%
<i>Sclerospora graminicola</i>	Downy mildew	0%
<i>Sclerotium rolfsii</i>	Southern blight	5%
<b>Rice</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Seedling blight	5%
<i>Cochliobolus miyabeanus</i> ( <i>Bipolaris oryzae</i> )	Brown spot, Pecky rice & Seedling blight	5%
<i>Magnaporthe grisea</i> ( <i>Pyricularia grisea</i> = <i>Pyricularia oryzae</i> )	Blast (leaf, neck, nodal & collar)	5%
<i>Rhizoctonia solani</i>	Seedling blight	5%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Sheath blight	5%
<i>Ustilaginoidea virens</i>	False smut	
<b>Okra</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria solani</i>	Early bligh	5%
<i>Alternaria sp.</i>	Leaf spot	5%
<i>Ascochyta sp.</i>	Leaf spot	5%
<i>Cercospora abelmoschi</i>	Cercospora leaf spot	5%
<i>Cercospora malayensis</i>	Cercospora leaf spot	5%
<i>Choanephora cucurbitarum</i>	Blossom & fruit blight (Wet rot)	5%
<i>Fusarium oxysporum f. sp. vasinfectum</i>	Fusarium wilt	2%
<i>Macrophomina phaseolina</i>	Charcoal Rot	5%
<i>Rhizoctonia sp.</i>	Seedling blight & Damping Off	5%
<i>Sclerotinia sclerotum</i>	White mold disease	5%
<i>Sclerotium rolfsii</i>	Southern Blight	5%
<b>Crucifers</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Albugo candida</i>	White rust and staghead	5%
<i>Alternaria brassicae</i>	Black leaf spot	5%
<i>Alternaria brassicicola</i>	Black leaf spot	5%
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Southern blight	0%
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Gray mold	5%
<i>Fusarium oxysporum</i>	Yellows	2%
<i>Fusarium spp.</i>	Damping-off	2%
<i>Ganoderma orbiforme</i>	Bottom & basal stem rot	0%
<i>Sclerotinia sclerotiorum</i>	Stem rot and watery soft rot	0%

<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Bamping-off	2%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<b>Broad bean</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternate</i>	Alternaria leaf spot	5%
<i>Botrytis cinerea</i>	Chocolate spot	5%
<i>Botrytis fabae</i>	Chocolate spot	5%
<i>Cercospora zonata</i>	Cercospora leaf spot	5%
<i>Colletotrichum truncatum</i>	Anthraxnose	5%
<i>Didymella fabae (Ascochyta fabae)</i>	Ascochyta leaf & pod spot	5%
<i>Fusarium solani</i>	Root rot & Damping-off	2%
<i>Peronospora viciae</i>	Downy mildew	0%
<i>Phoma medicaginis</i>	Root rot	5%
<i>Pleospora herbarum (Stemphylium botryosum)</i>	Leaf blight	5%
<i>Rhizoctonia solani</i>	Root rot & Damping-off	5%
<i>Sclerotinia sclerotiorum</i>	Stem rot	5%
<i>Theilaviopsis basicola</i>	Root rot	5%
<i>Uromyces viciae-fabae</i>	Broad bean rust	0%
<b>Peanut</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Leaf spot & veinal necrosis	5%
<i>Alternaria arachidis</i>	Alternaria leaf spot	5%
<i>Alternaria tenuissima</i>	Alternaria leaf blight	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Stem rot (southern blight)	0%
<i>Botryotinia fuckeliana (Botrytis cinerea)</i>	Botrytis blight	5%
<i>Cochliobolus spicifer (Bipolaris spicifera= Drechslera spicifera)</i>	Drechslera leaf spot	5%
<i>Colletotrichum arachidis</i>	Anthraxnose	5%
<i>Colletotrichum dematium</i>	Anthraxnose	5%
<i>Colletotrichum manganoti</i>	Anthraxnose	5%
<i>Diaporthe phaseolorum (Phomopsis phaseoli = Phomopsis sojae)</i>	Phomopsis foliar blight & leaf spot	5%
<i>Didymosphaeria arachidicola= Mycosphaerella arachidicola</i>	Web blotch (net blotch)	5%
<i>Fusarium oxysporum</i>	Fusarium wilt	2%
<i>Gibberella intricans (Fusarium equiseti= F. scirpi)</i>	Pod rot (pod breakdown)	2%
<i>Glomerella cingulata (Colletotrichum gloeosporioides)</i>	Colletotrichum leaf spot	5%
<i>Lasiodiplodia theobromae= Diplodia gossypina</i>	Collar rot	5%
<i>Macrophomina phaseolina= Rhizoctonia bataticola</i>	Charcoal rot & leaf spot	5%
<i>Mycosphaerella arachidis (Cercospora arachidicola)</i>	Leaf spot, early	5%
<i>Mycosphaerella berkeleyi (Phaeoisariopsis personata= Cercosporidium personatum)</i>	Leaf spot, late	5%
<i>Myrothecium roridum</i>	Myrothecium leaf blight	5%

<i>Nectria haematococca (Fusarium solani)</i>	Pod rot (pod breakdown)	2%
<i>Olpidium brassicae</i>	Olpidium root rot	5%
<i>Phoma arachidicola= Ascochyta adzamethica</i>	Web blotch (net blotch)	5%
<i>Phoma microspora</i>	Phoma leaf blight	5%
<i>Pleospora tarda (Stemphylium botryosum)</i>	Melanosis	5%
<i>Sclerotinia minor</i>	Sclerotinia blight	0%
<i>Sclerotinia sclerotiorum</i>	Sclerotinia blight	0%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Pod rot (pod breakdown), foliar blight, peg and root rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium dahliae</i>	Verticillium wilt	5%
<b>Sweet potatoes (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria</i> spp.	Leaf spot, stem blight, storage rot	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Circular spot & Southern blight	5%
<i>Botryotinia fuckeliana (Botrytis cinerea)</i>	Gray mold rot	5%
<i>Choanephora cucurbitarum</i>	Leaf mold	5%
<i>Colletotrichum coccodes</i>	Anthracnose	5%
<i>Diaporthe phaseolorum= Diaporthe batatatis (Phomopsis phaseoli)</i>	Dry rot	5%
<i>Epicoccum</i> spp.	Storage rot	5%
<i>Gibberella baccata (Fusarium lateritium)</i>	Chlorotic leaf distortion	
<i>Lasiodiplodia theobromae= Diplodia gossypina</i>	Java black rot	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Mucor racemosus</i>	Storage rot	5%
<i>Nectria haematococca (Fusarium solani)</i>	End rot, root rot & stem canker	5%
<i>Phoma terrestris= Pyrenochaeta terrestris</i>	Pink root	5%
<i>Phomopsis ipomeae-batatas= Phyllosticta batatas</i>	Phyllosticta leaf blight	5%
<i>Phytophthora</i> spp.	Mottle necrosis	0%
<i>Pythium sclerotieichum</i>	Mottle necrosis	5%
<i>Sclerotinia</i> spp.	Storage rot	5%
<i>Septoria bataticola</i>	Septoria leaf spot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Stem canker, sprout rot & rootlet rot	5%
<i>Trichoderma koningii</i>	Punky rot	5%
<b>Grape (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Alternaria rot	5%
<i>Botrytis cinerea</i>	Grey Rot or Noble Rot	5%
<i>Guignardia bidwelli</i>	Black rot	0%
<i>Plasmopara viticola</i>	Downy mildew	0%
<b>Beet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	0%
<i>Alternaria alternata</i>	Alternaria leaf spot	5%
<i>Alternaria brassicae</i>	Alternaria leaf spot	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Southern blight (Root & stem rot)	5%

<i>Botryotinia fuckeliana (Botrytis cinerea)</i>	Storage rots	5%
<i>Choanephora cucurbitarum</i>	Choanephora rot	5%
<i>Colletotrichum dematium</i>	Anthrachnose	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Pleospora tarda (Stemphylium botryosum)</i>	Stemphylium leaf spot	5%
<i>Sclerotinia sclerotiorum</i>	Sclerotinia crown & root rot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Damping-off, foliar blight, crown & root rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<b>Lettuce</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria sonchi</i>	Alternaria leaf spot	5%
<i>Athelia rolfsii (Sclerotium rolfsii)</i>	Southern blight	5%
<i>Botryotinia fuckeliana (Botrytis cinerea)</i>	Gray mold	5%
<i>Bremia lactucae</i>	Downy mildew	0%
<i>Pleospora tarda (Stemphylium botryosum)</i>	Stemphylium leaf spot	5%
<i>Pythium tracheiphilum</i>	Wilt and leaf blight	5%
<i>Pythium ultimum</i>	Damping-off, Pythium	5%
<i>Sclerotinia minor</i>	Drop (Sclerotinia rot)	5%
<i>Sclerotinia sclerotiorum</i>	Drop (Sclerotinia rot)	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Bottom rot & Damping-off	5%
<b>Chickpea</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Alternaria blight	5%
<i>Alternaria tenuissima</i>	Alternaria blight	5%
<i>Athelia rolfsii= Corticium rolfsii (Sclerotium rolfsii)</i>	Collar rot	5%
<i>Colletotrichum capsici</i>	Colletotrichum blight	5%
<i>Colletotrichum dematium</i>	Colletotrichum blight	5%
<i>Fusarium avenaceum</i>	Fusarium root rot	2%
<i>Fusarium equiseti</i>	Fusarium root rot	2%
<i>Fusarium solani</i>	Black root rot	2%
<i>Macrophomina phaseolina= Rhizoctonia bataticola</i>	Dry root rot	5%
<i>Myrothecium roridum</i>	Myrothecium leaf spot	5%
<i>Peronospora sp.</i>	Downy mildew	0%
<i>Phoma medicaginis</i>	Phoma blight	5%
<i>Phytophthora citrophthora</i>	Phytophthora root rot	0%
<i>Phytophthora cryptogea</i>	Phytophthora root rot	0%
<i>Phytophthora drechsleri</i>	Phytophthora root rot	0%
<i>Phytophthora megasperma</i>	Phytophthora root rot	0%
<i>Pleospora herbarum (Stemphylium herbarum)</i>	Pleospora leaf spot	5%
<i>Rhizoctonia solani</i>	Wet root rot	5%
<i>Sclerotinia sclerotiorum</i>	Sclerotinia stem rot	0%
<i>Sclerotinia trifoliorum</i>	Sclerotinia stem rot	0%
<i>Stemphylium sarciniforme</i>	Stemphylium blight	5%

<i>Thielaviopsis basicola</i>	Black streak root rot	5%
<i>Trichoderma harzianum</i>	Trichoderma foot rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium dahliae</i>	Verticillium wilt	5%
<b>Strawberry</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Athelia rolfsii</i> ( <i>Sclerotium rolfsii</i> = <i>Corticium rolfsii</i> )	Fruit blotch & southern blight	5%
<i>Colletotrichum acutatum</i>	Anthrachnose	5%
<i>Macrophomina phaseolina</i> = <i>Botryodiplodia phaseoli</i>	Charcoal rot	5%
<i>Macrophomina phaseolina</i> = <i>Rhizoctonia bataticola</i>	Hard brown rot	5%
<i>Mycosphaerella louisianae</i>	Purple leaf spot	5%
<i>Phoma lycopersici</i> = <i>Mycoleptodiscus terrestris</i>	Leaf & stalk rot	0%
<i>Phoma terrestris</i> = <i>Pyrenochaeta terrestris</i>	Gray sterile fungus root rot	0%
<i>Phytophthora citrophthora</i>	Leather rot, crown & root rot	5%
<i>Pyrenochaeta terrestris</i>	Root rot	0%
<i>Rhizoctonia solani</i>	Bud, crown & fruit rot, leaf & web blight	5%
<i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> )	Hard brown rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	0%
<b>Rhodes grass</b>		<b>Tolerance</b>
<i>Cladosporium</i> sp.		5%
<i>Claviceps</i> sp.		0%
<i>Cochliobolus chroidis</i>		5%
<i>Cochliobolus heterostrophus</i>		5%
<i>Fusarium equiseti</i>		2%
<i>Fusarium gramineum</i>		2%
<i>Fusarium oxysporum</i>		2%
<i>Helminthosporium carbonum</i>		5%
<i>Rhizoctonia solani</i>		5%
<i>Trichoderma</i> sp.		0%
<b>Paulownia</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Rhizoctonia solani</i>	Damping-off	5%
<b>Sugarcane (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Athelia rolfsii</i> = <i>Pellicularia rolfsii</i> ( <i>Sclerotium rolfsii</i> )	Red rot of leaf sheath and sprout rot	5%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Sett and stem rot & Pokkah boeng	2%
<i>Gibberella subglutinans</i>	Sett and stem rot & Pokkah boeng	2%
<i>Gloeocercospora sorghi</i>	Zonate leaf spot	5%
<i>Glomerella tucumanensis</i> = <i>Physalospora tucumanensis</i> ( <i>Colletotrichum falcatum</i> )	Red rot	0%
<i>Ustilago scitaminea</i>	Smut, culmicolous	0%



<b>Mango (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Alternaria leaf spots	5%
<i>Alternaria tenuissima</i>	Alternaria leaf spots	5%
<i>Botrytis cinerea</i>	Blossom blight	5%
<i>Calonectria rigidiuscula (Fusarium decemcellare)</i>	Gall	2%
<i>Cercospora mangiferae</i>	Stigmia leaf spot	5%
<i>Colletotrichum acutatum</i>	Anthracnose	5%
<i>Curvularia lunata</i>	Leaf spot	5%
<i>Curvularia tuberculata</i>	Curvularia blightS	5%
<i>Diaporthe spp.</i>	Twig blight	5%
<i>Erysiphe cichoracearum</i>	Powdery mildew	5%
<i>Fusarium mangiferae</i>	Mango malformation	2%
<i>Fusarium sterilihyphosum</i>	Mango malformation	2%
<i>Fusarium subglutinans</i>	Mango malformation	2%
<i>Ganoderma applanatum</i>	Wood rot	0%
<i>Ganoderma lucidum</i>	Wood rot	0%
<i>Gibberella intricans (Fusarium equiseti)</i>	Tip dieback	2%
<i>Glomerella cingulata (Colletotrichum gloeosporioides)</i>	Anthracnose	5%
<i>Guignardia citricarpa (Phyllosticta citricarpa)</i>	Phyllosticta leaf spot	5%
<i>Guignardia mangiferae (Phyllosticta anacardiacearum)</i>	Fruit rot	5%
<i>Guignardia mangiferae (Phyllosticta anacardiacearum)</i>	Phyllosticta leaf spot	5%
<i>Hendersonula toruloidea</i>	Stem end rot	0%
<i>Macrophoma mangiferae</i>	Macrophoma rot	5%
<i>Macrophoma sp.</i>	Leaf spot	5%
<i>Macrophomina phaseolina</i>	Charcoal fruit and root rot	5%
<i>Nectria haematococca (Fusarium solani)</i>	Crown rot	2%
<i>Oidium asteris-punicei</i>	Powdery mildew	5%
<i>Oidium mangiferae</i>	Powdery mildew	5%
<i>Phoma glomerata</i>	Phoma blight	5%
<i>Phoma sorghina</i>	Leaf spot	5%
<i>Phomopsis mangiferae</i>	Stem end rot	0%
<i>Phyllosticta mortonii</i>	Phyllosticta leaf spot	5%
<i>Phytophthora nicotianae</i>	Fruit rot	5%
<i>Sclerotinia sclerotiorum</i>	Sclerotinia rot	5%
<i>Septoria sp.</i>	Leaf spot	5%
<i>Stemphylium vesicarium</i>	Stemphylium rot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Root rot	5%
<i>Verticillium albo-atrum</i>	Verticillium wilt	5%
<i>Verticillium lecanii</i>	Leaf spot	5%

<b>Olive</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Alternaria Fruit Rot	5%
<i>Colletotrichum acutatum</i>	Anthracoze	5%
<i>Colletotrichum gloeosporioides</i>	Anthracoze	5%
<i>Diplodiae sp.</i>	Cankers	5%
<i>Macrophomina phaseolina</i>	Charcoal Rot	5%
<i>Phomopsis elaeagni</i>	Phomopsis canker & dieback	5%
<i>Phytophthora spp.</i>	Crown & root rots	0%
<i>Rhizoctonia spp.</i>	Rhizoctonia Rot	5%
<b>Date palm (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria spp.</i>	Fruit rot & Leaf dieback	5%
<i>Ceratocystis paradoxa (Chalara paradoxa)</i>	Terminal bud rot	5%
<i>Ceratocystis paradoxa (Chalara paradoxa= Thielaviopsis paradoxa)</i>	Black scorch & Bending head	5%
<i>Chaetosphaeropsis sp.</i>	Black leaf spot	5%
<i>Diplodia natalensis</i>	Diplodia disease	5%
<i>Diplodia phoenicum</i>	Diplodia disease	5%
<i>Diplodia spp.</i>	Inflorescence rot	5%
<i>Fusarium moniliforme</i>	Wilt of fruit bunches	5%
<i>Fusarium spp.</i>	Fruit & Inflorescence rot	5%
<i>Graphiola phoenicis</i>	Graphiola leaf spot	5%
<i>Lasiodiplodia theobromae= Botryodiplodia theobromae</i>	Bending head	5%
<i>Mauginiella scaettae</i>	Khamedj	5%
<i>Mycosphaerella tassiana (Cladosporium herbarum)</i>	Taches brunes (brown leaf spot)	5%
<i>Phytophthora sp.</i>	Belaat	5%
<i>Thielaviopsis spp.</i>	Inflorescence rot	5%
<b>Cotton</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Leaf spot	5%
<i>Alternaria macrospora</i>	Leaf spot	5%
<i>Ascochyta gossypii</i>	B light & Boll rot	5%
<i>Cochliobolus spicifer (Bipolaris spicifera =Curvularia spicifera)</i>	Leaf spot	5%
<i>Fusarium oxysporum f.sp. vasinfectum</i>	Fusarium wilt	0%
<i>Fusarium spp.</i>	Boll rot Seedling blight	2%
<i>Glomerella gossypii (Colletotrichum gossypii)</i>	Seedling blight & Anthracnose & Escobilla & Boll rot	5%
<i>Macrophomina phaseolina</i>	Charcoal rot	5%
<i>Myrothecium roridum</i>	Leaf spot	0%
<i>Phoma exigua</i>	Stem canker	5%
<i>Rhizoctonia solani</i>	Boll rot & Leaf spot	5%
<i>Stemphylium solani</i>	Leaf spot	5%
<i>Thanatephorus cucumeris (Rhizoctonia solani)</i>	Seedling blight	5%

<b>Banana</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acremonium</i> spp.	Crown rot	5%
<i>Ceratocystis paradoxa</i>	Main stalk rot	5%
<i>Ceratocystis paradoxa</i> ( <i>Chalara paradoxa</i> )	Ceratocystis fruit rot	5%
<i>Cercospora hayi</i>	Brown spot & Diamond spot	5%
<i>Cladosporium musae</i>	Cladosporium speckle	5%
<i>Colletotrichum musae</i>	Anthracnose, fungal scald & Stem-end rot	5%
<i>Colletotrichum musae</i>	Crown rot	5%
<i>Curvularia eragrostidis</i>	Leaf spot	5%
<i>Drechslera gigantea</i>	Eyespot	5%
<i>Drechslera musae-sapientum</i>	Leaf spot	5%
<i>Fusarium oxysporum</i>	Root rot	2%
<i>Fusarium oxysporum</i>	Peduncle rot	2%
<i>Fusarium pallidoroseum</i>	Crown rot	5%
<i>Fusarium pallidoroseum</i>	Peduncle rot	2%
<i>Fusarium</i> spp.	Crown rot & Diamond spot	2%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Pseudostem heart rot	2%
<i>Mycosphaerella eumusae</i> ( <i>Septoria eumusae</i> )	Septoria leaf spot	5%
<i>Mycosphaerella fijiensis</i> ( <i>Paracercospora fijiensis</i> )	Black leaf streak (BLS) or Black Sigatoka	5%
<i>Mycosphaerella musae</i>	Speckle	5%
<i>Mycosphaerella musicola</i> ( <i>Pseudocercospora musae</i> )	Sheath rot & Yellow Sigatoka	5%
<i>Natrassia mangiferae</i> = <i>Hendersonula toruloidea</i>	Dwarf Cavendish tip rot	0%
<i>Nectria haematococca</i> ( <i>Fusarium solani</i> )	Root rot	2%
<i>Pyricularia grisea</i>	Pitting	5%
<i>Rhizoctonia</i> spp.	Root rot	5%
<i>Trachysphaera fructigena</i>	Cigar-end	5%
<i>Verticillium theobromae</i>	Cigar-end (Tip rot), Crown rot & Peduncle rot	5%
<b>Citrus</b>	<b>Disease</b>	
<i>Alternaria alternata</i>	Brown spot	
<i>Alternaria citri</i>	Stem-end rot, Black rot &	
<i>Alternaria limicola</i>	Mancha foliar de los citricos	
<i>Alternaria tenuis</i> = <i>Alternaria alternata</i>	Albinism	
<i>Botryosphaeria rhodina</i> ( <i>Lasiodiplodia theobromae</i> = <i>Botryodiplodia theobromae</i> = <i>Diplodia natalensis</i> )	Diplodia gummosis and stem-end rot	
<i>Botryotinia fuckeliana</i> ( <i>Botrytis cinerea</i> )	Blossom and twig blight, gummosis & Gray mold (fruit)	
<i>Corticium stevensii</i>	Thread blight	
<i>Fusarium oxysporum</i> f.sp. <i>citri</i>	Fusarium wilt	
<i>Ganoderma applanatum</i>	Heart rot	
<i>Ganoderma brownii</i>	Heart rot	

<i>Ganoderma lucidum</i>	Heart rot	
<i>Glomerella cingulata</i> ( <i>Colletotrichum gloeosporioides</i> )	Anthrachnose = wither-tip	
<i>Hendersonula toruloidea</i>	Hendersonula branch wilt	
<i>Hypocrea</i> sp. ( <i>Trichoderma viride</i> )	Trichoderma rot	
<i>Macrophomina phaseolina</i>	Charcoal root rot	
<i>Nectria haematococca</i> ( <i>Fusarium solani</i> )	Dry root rot complex	
<i>Pellicularia koleroga</i>	Thread blight	
<i>Phoma tracheiphila</i> = <i>Deuterophoma tracheiphila</i>	Mal secco	
<i>Phytophthora citricola</i>	Brown rot (fruit)	
<i>Phytophthora citrophthora</i>	Brown rot (fruit) foot rot, gummosis and root rot	
<i>Phytophthora hibernalis</i>	Brown rot (fruit) foot rot, gummosis and root rot	
<i>Phytophthora nicotianae</i> var. <i>parasitica</i> = <i>Phytophthora parasitica</i>	Brown rot (fruit) foot rot, gummosis and root rot	
<i>Phytophthora palmivora</i>	Brown rot (fruit) foot rot, gummosis and root rot	
<i>Phytophthora syringae</i>	Brown rot (fruit), foot rot, gummosis & root rot	
<i>Pleospora herbarum</i> ( <i>Stemphylium herbarum</i> )	Pleospora rot	
<i>Rhizoctonia solani</i>	Damping-off	
<i>Sclerotinia sclerotiorum</i>	Twig blight, fruit rot and root rot	
<i>Sphaeropsis tumefaciens</i>	Branch knot	
<i>Thanatephorus cucumeris</i> = <i>Pellicularia filamentosa</i> ( <i>Rhizoctonia solani</i> )	Areolate leaf spot	
<i>Thielaviopsis basicola</i> syn. <i>Chalara elegans</i>	Black root rot	
<b>African bamboo (Culms)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria alternata</i>	Leaf tip blight	<b>5%</b>
<i>Cochliobolus heterostrophus</i> ( <i>Bipolaris maydis</i> )	Foliage blight	<b>5%</b>
<i>Cochliobolus lunatus</i> ( <i>Curvularia lunata</i> )	Curvularia leaf spot	<b>5%</b>
<i>Gibberella intricans</i> ( <i>Fusarium equesiti</i> )	Bamboo blight & culm rot	<b>5%</b>
<i>Phoma sorghina</i>	Phoma leaf spot	<b>5%</b>
<i>Rhizoctonia solani</i>	Damping-off	<b>5%</b>

### Regulated Non-quarantine Pests (Bacteria) in Sudan (Tolerance = 0 to 5)

<b>Potato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pectobacterium</i> ( <i>Erwinia</i> ) <i>carotovora</i> subsp. <i>atroseptica</i>	Black leg	<b>0 – 1%</b>
<i>Pectobacterium</i> ( <i>Erwinia</i> ) <i>carotovora</i> subsp. <i>carotovora</i>	Soft rot	<b>0 – 1%</b>
<i>Streptomyces</i> ( <i>scabies</i> ) <i>scabiei</i>	Common scab	<b>1 – 1.5 sc.</b>
<i>Streptomyces acidiscabies</i>	Common scab	<b>1 – 1.5 sc.</b>
<i>Streptomyces reticuliscabies.</i>	Netted scab	<b>1 – 1.5 sc.</b>
<i>Streptomyces turgidiscabies</i>	Common scab	<b>1 – 1.5 sc.</b>
<b>Garlic and Onion</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> =	Bacterial soft rot	<b>2%</b>

<i>Erwinia carotovora</i> subsp. <i>carotovora</i>		
<b>Maize</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Enterobacter (Erwinia) dissolvens</i>	Bacterial stalk rot	5%
<i>Erwinia carotovora</i> subsp. <i>zeae</i>	Bacterial stalk & top rots	5%
<i>Erwinia chrysanthemi</i> pv. <i>zeae</i>	Bacterial stalk & top rots	5%
<i>Pseudomonas andropogonis</i>	Bacterial stripe	5%
<i>Pseudomonas avenae</i> subsp. <i>avenae</i>	Bacterial leaf blight and stalk rot	5%
<i>Pseudomonas rubilineans</i> , syn. <i>P. avenae</i>	Bacterial leaf stripe	5%
<i>Pseudomonas syringae</i> pv. <i>coronafaciens</i>	Chocolate spot	5%
<b>Sunflower</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	2%
<i>Erwinia carotovora</i> subsp. <i>atroseptica</i>	Stalk rot and head rot	2%
<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Stalk rot and head rot	2%
<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	5%
<i>Erwinia chrysanthemi</i> pv. <i>chrysanthemi</i>	Bacterial sprout rot	5%
<i>Pseudomonas savastanoi</i> pv. <i>phaeolicola</i> = <i>P. medicaginis</i>	Bacterial stem blight	5%
<i>Xanthomonas campestris</i> pv. <i>alfalfae</i>	Bacterial leaf spot	5%
<b>Soybean</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pseudomonas amygdali</i> pv. <i>glycinea</i>	Bacterial blight	0%
<i>Pseudomonas syringae</i> pv. <i>tabaci</i>	Wildfire	0%
<i>Ralstonia solanacearum</i> = <i>Pseudomonas solanacearum</i>	Bacterial wilt	0%
<i>Xanthomonas axonopodis</i> pv. <i>glycines</i> = <i>Xanthomonas campestris</i> pv. <i>glycines</i>	Bacterial pustules	0%
<b>Tomato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	5%
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterial soft rot	5%
<i>Erwinia carotovora</i> subsp. <i>atroseptica</i>	Bacterial soft rot	5%
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> = <i>X. vesicatoria</i>	Bacterial spot	0%
<b>Carrot</b>	<b>Disease</b>	<b>Tolerance</b>
<i>E.carotovora</i> subsp. <i>atroseptica</i> = <i>Pectobacterium carotovorum</i> subsp. <i>atrosepticum</i>	Bacterial soft rot	2%
<i>E.carotovora</i> subsp. <i>carotovora</i> = <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i>	Bacterial soft rot	2%
<i>Erwinia chrysanthemi</i>	Bacterial soft rot	2%
<b>Cucurbits</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Erwinia ananas</i>	Brown spot	0%

<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterial soft rot	0%
<i>Erwinia tracheiphila</i>	Bacterial wilt	0%
<i>Erwinia</i> spp.	Bacterial rind necrosis	0%
<b>Pearl millet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acidovorax avenae</i>	Bacterial leaf stripe	5%
<b>Okra</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Xanthomonas campestris</i> p.v. <i>malvacearum</i>	Bacterial blight	0%
<b>Crucifers</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	0%
<i>Erwinia carotovora</i>	Bacterial soft rot Erwinia	5%
<i>Streptomyces scabies</i>	Scab	0%
<i>Xanthomonas campestris</i> pv. <i>campestris</i>	Black rot	0%
<b>Broad bean</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pseudomonas syringae</i>	Bacterial brown spot	0%
<i>Xanthomonas campestris</i> syn. <i>Xanthomonas axonopodis</i>	Leaf blight	0%
<b>Peanut</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pseudomonas solanacearum</i>	Bacterial wilt	0%
<b>Sweet potatoes (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium rhizogenes</i>	Hairy roots	0%
<i>Agrobacterium tumefaciens</i>	Crown gall	0%
<i>Ralstonia solanacearum</i>	Bacterial wilt	0%
<i>Streptomyces ipomoeae</i>	Rootlet rot	0%
<b>Beet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	0%
<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterial soft rot	0%
<b>Lettuce</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Erwinia carotovora</i>	Bacterial soft rot	0%
<b>Chickpea</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Burkholderia andropogonis</i>	Bacterial leaf spot	0%
<b>Sugarcane (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acidovorax avenae</i> subsp. <i>avenae</i>	Red stripe (top rot)	0%
<i>Leifsonia xyli</i> subsp. <i>xyli</i>	Ratoon stunting disease	0%
<b>Mango (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	0%
<i>Erwinia herbicola</i>	Bacterial fruit rot	0%
<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> = <i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterial fruit rot	0%

<b>Cotton</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Agrobacterium tumefaciens</i>	Crown gall	<b>0%</b>
<i>Xanthomonas citri</i> subsp. <i>malvacearum</i>	Bacterial blight of cotton	<b>0%</b>

<b>Citrus</b>	<b>Disease</b>
<i>Pseudomonas syringae</i>	Black pit & Blast
<i>Xanthomonas axonopodis</i> = <i>X. campestris</i> pv. <i>Citri</i>	Citrus canker
<i>Xanthomonas campestris</i> pv. <i>citrumelo</i>	Bacterial spot

### Regulated Non-quarantine Pests (Viruses & Phytoplasma) in Sudan (Tolerance = 0 to 5)

<b>Potato</b>	<b>Disease</b>	<b>Tolerance</b>
Potato Leaf Roll Virus (PLRV)	Leaf roll	<b>0%</b>
Potato Virus M (PVM)	Potato leaf rolling mosaic	<b>0%</b>
Potato Virus S (PVS)	Bronze mottling	<b>0%</b>
Potato Virus X (PVX)	Potato latent disease	<b>0%</b>
Potato Virus Yc (PVYc)	Stipple-streak & eye disease	<b>0%</b>
Potato Virus Yn (PVYn)	Mild mottling	<b>0%</b>
Potato Virus Yntn (PVYntn)	Mottling & Crinkling	<b>0%</b>
Potato Virus Yo (PVYo)	Crinkling	<b>0%</b>
<b>Maize</b>	<b>Disease</b>	<b>Tolerance</b>
Cucumber mosaic virus (CMV)	Cucumber mosaic	<b>0%</b>
<b>Sunflower</b>	<b>Disease</b>	<b>Tolerance</b>
Cucumber mosaic virus (CMV)	Sunflower mosaic	<b>0%</b>
<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus (AMV)	Alfalfa mosaic	<b>0%</b>
Cucumber mosaic virus (CMV)	Cucumber mosaic	<b>0%</b>
Phytoplasma	Witches'-broom	<b>0%</b>
<b>Wheat</b>	<b>Disease</b>	<b>Tolerance</b>
Tobacco mosaic virus (TMV)	Tobacco mosaic	<b>0%</b>
<b>Soybean</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus (AMV)	Alfalfa mosaic	<b>5%</b>
Bean pod mottle virus (BPMV)	Bean pod mottle	<b>0%</b>
Bean yellow mosaic virus (BYMV)	Bean yellow mosaic	<b>0%</b>
Cowpea chlorotic mottle virus (CCMV)	Cowpea chlorotic mottle	<b>0%</b>
Mung bean yellow mosaic virus (MYMV)	Mung bean yellow mosaic	<b>0%</b>
Peanut mottle virus (PeMoV)	Peanut mottle	<b>0%</b>
Peanut stripe virus (PStV)	Peanut stripe	<b>0%</b>
Peanut stunt virus (PSV)	Peanut stunt	<b>0%</b>
Soybean chlorotic mottle virus (SbCMV)	Soybean chlorotic mottle	<b>0%</b>

Soybean crinkle leaf virus (SCLV)	Soybean crinkle leaf	0%
Soybean dwarf virus (SbDV)	Soybean dwarf	0%
Soybean mosaic virus (SMV)	Soybean mosaic	0%
Soybean severe stunt virus (SSSV)	Soybean severe stunt	0%
Tobacco ringspot virus (TRSV)	Tobacco ring spot (Bud blight)	0%
Tobacco streak virus (TSV)	Brazilian bud blight	0%
<b>Tomato</b>	<b>Disease</b>	<b>Tolerance</b>
Tomato mosaic virus (ToMV)	Tomato mosaic	0%
Tomato mottle gemini virus (TMGV)	Tomato mottle	0%
Tomato spotted wilt virus (TSWV)	Tomato spotted wilt	0%
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus (AMV)	Alfalfa mosaic	5%
<b>Eggplant</b>	<b>Disease</b>	<b>Tolerance</b>
Cucumber mosaic virus (CMV)	Cucumber mosaic virus	0%
Tomato spotted wilt virus (TSWV)	Tomato spotted wilt virus	0%
<b>Cucurbits</b>	<b>Disease</b>	<b>Tolerance</b>
Cucumber mosaic virus (CMV)	Cucumber mosaic	0%
<b>Okra</b>	<b>Disease</b>	<b>Tolerance</b>
Enation leaf curl virus (ELCV)	Enation leaf curl	0%
Okra leaf curl virus (OLCV)	Leaf curl virus	0%
Okra mosaic virus (OMV)	Mosaic	0%
Okra mottle virus (OMV)	Mottle virus	0%
Yellow vein mosaic virus (YVMV)	Yellow vein mosaic virus	0%
<b>Sweet potatoes (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
Phytoplasma	Little leaf	0%
<b>Grape (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus (AMV)	Alfalfa mosaic	0%
Broad bean wilt virus (BBWV)	Broad bean wilt	0%
<b>Beet</b>	<b>Disease</b>	<b>Tolerance</b>
Cucumber mosaic virus (CMV)	Cucumber mosaic	0%
<b>Lettuce</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus	Calico	0%
Cucumber mosaic virus	Mosaic	0%
<b>Chickpea</b>	<b>Disease</b>	<b>Tolerance</b>
Alfalfa mosaic virus	Mosaic	0%
Cucumber mosaic virus	Proliferation	0%
Phytoplasma	Phyllody	0%
<b>Sugarcane (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
Sugarcane Grassy Shoot Phytoplasma	Leaf Chlorosis	0%



<b>Cotton</b>	<b>Disease</b>	<b>Tolerance</b>
Cotton leaf curl virus (CLCuV)	Leaf crumple & Leaf curl	<b>0%</b>

<b>Citrus</b>	<b>Disease</b>
Citrus psorosis virus (CPsV)	Psorosis
Citrus tristeza virus (CTV)	Tristeza=decline and stem pitting seedling yellows
Phytoplasma	Witches' broom of lime
Spiroplasma citri	Stubborn

### **Regulated Non-quarantine Pests (Nematodes) in Sudan (Tolerance = 0 to 5)**

<b>Potato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	<b>5%</b>
<i>Dictylenchus dipsaci</i>	Stem & Bulb Nematode	<b>0%</b>
<i>Ditylenchus destructor</i>	Potato Rot Nematode	<b>0%</b>
<i>Paratrichodorus pachydermus</i>	Stubby Root Nematodes	<b>5%</b>
<i>Paratrichodorus teres</i>	Stubby Root Nematodes	<b>5%</b>
<i>Paratrichodorus veruliferus</i>	Stubby Root Nematodes	<b>5%</b>
<i>Pratylenchus andinus</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus brachyurus</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus coffeae</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus crenatus</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus neglectus</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus penetrans</i>	Root-lesion Nematodes	<b>5%</b>
<i>Pratylenchus scribneri</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus thornei</i>	Lesion nematode	<b>5%</b>
<i>Pratylenchus vulnus</i>	Lesion nematode	<b>5%</b>
<i>Trichodorus primitives</i>	Stubby Root Nematodes	<b>5%</b>
<i>Trichodorus similis</i>	Stubby Root Nematodes	<b>5%</b>
<b>Garlic and Onion</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	<b>5%</b>
<i>Ditylenchus dipsaci</i>	Stem and bulb nematode	<b>0%</b>
<i>Longidorus africanus</i>	Needle nematode	<b>5%</b>
<i>Paratrichodorus allius</i>	Stubby-root nematode	<b>5%</b>
<i>Paratrichodorus minor</i>	Stubby-root nematode	<b>5%</b>
<i>Pratylenchus penetrans</i>	Lesion	<b>5%</b>
<b>Maize</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting	<b>5%</b>
<i>Helicotylenchus spp.</i>	Spiral	<b>5%</b>
<i>Hoplolaimus Columbus</i>	Lance, Columbia	<b>5%</b>
<i>Hoplolaimus galeatus</i>	Lace	<b>5%</b>
<i>Paratrichodorus christiei</i>	Stubby-root	<b>5%</b>

<i>Paratrichodorus minor</i>	Stubby-root	5%
<i>Pratylenchus brachyurus</i>	Lesion	5%
<i>Pratylenchus crenatus</i>	Lesion	5%
<i>Pratylenchus hexincisus</i>	Lesion	5%
<i>Pratylenchus neglectus</i>	Lesion	5%
<i>Pratylenchus penetrans</i>	Lesion	5%
<i>Pratylenchus scribneri</i>	Lesion	5%
<i>Pratylenchus thornei</i>	Lesion	5%
<i>Pratylenchus zaeae</i>	Lesion	5%
<i>Trichodorus spp.</i>	Stubby-root	5%
<i>Tylenchorhynchus dubius</i>	Stunt	5%
<b>Sunflower</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Helicotylenchus sp.</i>	Spiral	0%
<i>Paratylenchus projectus</i>	Pin	0%
<i>Pratylenchus hexincisus</i>	Lesion	0%
<i>Quinisulcius acutus</i>	Stunt	0%
<i>Rotylenchulus reniformis</i>	Reniform	0%
<i>Tylenchorhynchus nudus</i>	Stunt	0%
<i>Xiphinema americanum</i>	Dagger	0%
<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Aphelenchoides ritzemabosi</i>	Foliar Nematode	5%
<i>Dytelenchus dipsaci</i>	Bulb & Stem Nematode	0%
<i>Helicotylenchus spp.</i>	Spiral Nematode	5%
<i>Heterodera trifolii</i>	Cyst Nematode	0%
<i>Longidorus spp.</i>	Needle Nematode	0%
<i>Paratrichodorus spp.</i>	Stubby-root nematode	5%
<i>Paratylenchus hamatus</i>	Pin Nematode	5%
<i>Pratylenchus neglectus</i>	Lesion Nematode	5%
<i>Pratylenchus penetrans</i>	Lesion Nematode	5%
<i>Rotylenchulus spp.</i>	Reniform Nematode	5%
<i>Tylenchorhynchus spp.</i>	Stunt nematode	5%
<i>Xiphinema americanum</i>	Dagger Nematode	0%
<b>Sorghum</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting	5%
<i>Criconemella spp.</i>	Ring	5%
<i>Dolichodorus spp.</i>	Awl	5%
<i>Helicotylenchus spp.</i>	Spiral	5%
<i>Longidorus africanus</i>	Needle	0%
<i>Merlinius brevidens</i>	Stunt	5%
<i>Paratrichodorus minor</i>	Stubby-root	5%
<i>Paratylenchus spp.</i>	Pin	5%
<i>Pratylenchus spp.</i>	Lesion	5%
<i>Rotylenchus spp.</i>	Reniform	5%

<i>Tylenchorhynchus spp.</i>	Stunt	5%
<i>Xiphenema Americanum</i>	Dagger	0%
<b>Soybean</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	5%
<i>Belonolaimus gracilis</i>	Sting nematode	5%
<i>Criconemella ornata</i>	Ring nematode	5%
<i>Helicotylenchus spp.</i>	Spiral nematode	5%
<i>Hemicycliophora spp.</i>	Sheath nematode	5%
<i>Hoplolaimus columbus</i>	Lance nematode	5%
<i>Hoplolaimus galeatus</i>	Lance nematode	5%
<i>Hoplolaimus magnistylus</i>	Lance nematode	5%
<i>Paratrichodorus minor</i>	Stubby root nematode	5%
<i>Paratylenchus projectus</i>	Pin nematode	5%
<i>Paratylenchus tenuicaudatus</i>	Pin nematode	5%
<i>Pratylenchus penetrans</i>	Lesion nematode	5%
<i>Quinisulcius acutus</i>	Stunt nematode	5%
<i>Rotylenchulus reniformis</i>	Reniform nematode	5%
<i>Tylenchorhynchus spp.</i>	Stunt nematode	5%
<b>Tomato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting	5%
<i>Paratrichodorus spp.</i>	Stubby-root	5%
<i>Trichodorus spp.</i>	Stubby-root	5%
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaduatatus</i>	Sting nematode	5%
<b>Carrot</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	5%
<i>Hoplolaimus uniformis</i>	Lance nematode	5%
<i>Pratylenchus penetrans</i>	Lesion nematode	5%
<b>Cucurbits</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting	5%
<i>Criconemella spp.</i>	Ring	5%
<i>Helicotylenchus spp.</i>	Spiral	5%
<i>Paratrichodorus minor</i>	Stubby-root	5%
<i>Pratylenchus spp.</i>	Lesion/Pin	5%
<i>Rotylenchulus reniformis</i>	Reniform	5%
<i>Tylenchorhynchus claytoni</i>	Stunt	5%
<i>Xiphinema americanum</i>	Dagger, American	0%
<b>Pearl millet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	5%
<i>Criconemella ornata</i>	Ring nematode	5%
<i>Hoplolaimus indicus</i>	Lance nematode	5%
<i>Panagrolaimus spp.</i>	Ring nematode	5%

<i>Pratylenchus brachyurus</i>	Root lesion nematode	5%
<i>Pratylenchus mulchandi</i>	Root lesion nematode	5%
<i>Pratylenchus zaeae</i>	Root lesion nematode	5%
<i>Radopholus similis</i>	Burrowing nematode	5%
<i>Xiphinema americanum</i>	Dagger nematode	0%
<b>Rice</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Ditylenchus angustus</i>	Stem nematode, rice	0%
<b>Crucifers</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus</i> spp.	Sting	5%
<i>Paratylenchus</i> spp.	Pin	5%
<i>Pratylenchus pratensis</i>	Lesion	5%
<b>Peanut</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Aphelenchoides arachidis</i>	Testa	5%
<i>Belonolaimus glacialis</i>	Sting	5%
<i>Belonolaimus longicaudatus</i>	Sting	5%
<i>Criconemella ornata</i> = <i>Macroposthonia ornata</i>	Ring	5%
<i>Ditylenchus destructor</i>	Seed and pod	0%
<i>Pratylenchus brachyurus</i>	Root lesion	5%
<i>Pratylenchus coffeae</i>	Root lesion	5%
<i>Scutellonema cavenessi</i>	Spiral	5%
<i>Tylenchorhynchus brevilineatus</i> = <i>Tylenchorhynchus brevicadatus</i>	Pod lesion	5%
<i>Xiphinema</i> spp.	Dagger	0%
<b>Sweet potatoes (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting	0%
<i>Ditylenchus destructor</i>	Brown ring of roots	0%
<i>Ditylenchus dipsaci</i>	Brown ring of roots	0%
<i>Helicotylenchus</i> spp.	Spiral	0%
<i>Paratrichodorus minor</i>	Stubby-root	0%
<i>Paratylenchus</i> spp.	Pin	0%
<i>Pratylenchus brachyurus</i>	Lesion	0%
<i>Pratylenchus coffeae</i>	Lesion	0%
<i>Radopholus similis</i>	Burrowing	5%
<i>Rotylenchulus reniformis</i>	Reniform	0%
<i>Tylenchorhynchus</i> spp.	Stunt	0%
<i>Xiphinema americanum</i>	Dagger	0%
<b>Grape (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Helicotylenchus</i> spp.	Spiral	5%
<i>Longidorus</i> spp.	Needle	0%
<i>Paratrichodorus christiei</i>	Stubby-root	5%
<i>Paratylenchus hamatus</i>	Pin	5%
<i>Pratylenchus vulnus</i>	Lesion	5%

<i>Rotylenchulus</i> spp.	Reniform	5%
<i>Tylenchorhynchus</i> spp.	Stunt	5%
<i>Tylenchulus semipenetrans</i>	Citrus	5%
<i>Xiphinema americanum</i>	Dagger, American	0%
<i>Xiphinema index</i>	Dagger	0%
<b>Beet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Ditylenchus destructor</i>	Potato rot nematode	0%
<i>Ditylenchus dipsaci</i>	Stem and bulb nematode	0%
<i>Longidorus</i> spp.	Needle nematodes	0%
<i>Meloidogyne</i> spp.	Root-knot	5%
<i>Nacobbus aberrans</i>	False root-knot nematode	5%
<i>Paratrichodorus</i> spp.	Stubby-root nematodes	5%
<i>Pratylenchus</i> spp.	Lesion nematodes	5%
<i>Trichodorus</i> spp.	Stubby-root nematodes	5%
<b>Lettuce</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Longidorus</i> spp.	Needle	0%
<i>Melinius brevidens</i>	Stunt	5%
<i>Nacobbus aberrans</i>	False root knot	5%
<i>Pratylenchus</i> spp.	Lesion	5%
<i>Rotylenchus robustus</i>	Spiral	5%
<i>Tylenchorhynchus</i> spp.	Stunt	5%
<b>Chickpea</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pratylenchus brachyurus</i>	Root lesion nematode	5%
<i>Pratylenchus thornei</i>	Root lesion nematode	5%
<i>Rotylenchulus reniformis</i>	Dirty root (reniform nematode)	5%
<b>Strawberry</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus gracilis</i>	Sting	5%
<i>Belonolaimus longicaudatus</i>	Sting	5%
<i>Ditylenchus dipsaci</i>	Bulb and stem	0%
<i>Pratylenchus coffeae</i>	Lesion	5%
<i>Pratylenchus penetrans</i>	Lesion	5%
<i>Pratylenchus pratensis</i>	Lesion	5%
<i>Pratylenchus scribneri</i>	Lesion	5%
<i>Xiphinema americanum.</i>	Dagger, American	0%
<b>Rhodes grass</b>		<b>Tolerance</b>
<i>Helicotylenchus cavenessi</i>		5%
<i>Helicotylenchus dihystra</i>		5%
<i>Helicotylenchus nannus</i>		5%
<i>Helicotylenchus pseudorobustus</i>		5%
<i>Hemicylichophora truncata</i>		5%
<i>Hoplolaimus pararobustus</i>		5%
<i>Pratylenchus brachyurus</i>		5%

<i>Rotylenchulus reniformis</i>		5%
<i>Scutellonema clathricaudatum</i>		5%
<i>Trichodorus minor</i>		5%
<i>Tylenchus spiralis</i>		5%
<i>Xiphinema elongatum</i>		0%
<i>Xiphinema ifacolum</i>		0%
<b>Sugarcane (Cuttings)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Helicotylenchus</i> spp.	Spiral	5%
<i>Pratylenchus</i> spp.	Spiral	5%
<i>Rotylenchus</i> spp.	Spiral	5%
<b>Mango (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Hemicriconemoides mangiferae</i>	Sheathoid nematode	5%
<i>Hoplolaimus columbus</i>	Lance nematode	5%
<i>Xiphinema brevicolle</i>	Dagger nematode	5%
<b>Olive</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Meloidogyne</i> spp.	Root knot nematode	5%
<i>Pratylenchus vulnus</i>	Root lesion nematode	5%
<i>Tylenchuulus semipenetrans</i>	Citrus namatode	5%
<b>Date palm (Tissue culture)</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pratylenchus penetrans</i>	Root lesion	5%
<b>Cotton</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode	5%
<i>Hoplolaimus columbus</i>	Lance, Columbia nematod	5%
<i>Rotylenchulus reniformis</i>	Reniform nematode	5%
<b>Banana</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Helicotylenchus dihystra</i>	Spiral nematode root damage	0%
<i>Helicotylenchus multicinctus</i>	Spiral nematode root damage	0%
<i>Pratylenchus brachyurus</i>	Root-lesion	5%
<i>Pratylenchus coffeae</i>	Root-lesion	5%
<i>Pratylenchus goodeyi</i>	Root-lesion	5%
<i>Pratylenchus reniformia</i>	Root-lesion	5%
<i>Radopholus similis</i>	Nematode root rot (burrowing nematode)	5%

<b>Citrus</b>	<b>Disease</b>
<i>Belonolaimus longicaudatus</i>	Sting nematode
<i>Hemicycliophora arenaria</i>	Sheath nematode
<i>Hemicycliophora</i> spp.	Sheath nematode
<i>Longidorus</i> spp.	Needle nematode
<i>Paratrichodorus</i> spp.	Stubby-root nematode
<i>Pratylenchus brachyurus</i>	Lesion nematode
<i>Pratylenchus coffeae</i>	Citrus slump nematode

<i>Pratylenchus coffeae</i>	Lesion nematode
<i>Pratylenchus vulnus</i>	Lesion nematode
<i>Radopholus similis</i>	Spreading decline (burrowing nematode)
<i>Tylenchorhynchus</i> spp.	Stunt nematode
<i>Tylenchulus semipenetrans</i>	Slow decline (citrus nematode)
<i>Xiphinema</i> spp.	Dagger nematode

### Diseases Not-Reported Pests (Fungi) in Sudan (Tolerance = 0 to 5)

<b>Potato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Ulocladium atrum</i>	Ulocladium blight	5%
<b>Maize</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Acremonium strictum</i> syn. <i>Cephalosporium acremonium</i>	Black bundle disease & kernel rot	2%
<i>Cephalosporium maydis</i>	Late wilt	2%
<i>Cephalotrichum stemonitis</i> = <i>Doratomyces stemonitis</i>	Ear rot, minor	2%
<i>Cunninghamella</i> sp.	Ear rot, minor	5%
<i>Gonatobotrys simplex</i>	Ear rot, minor	5%
<i>Mariannaea elegans</i>	Stalk rots, minor	5%
<i>Phoma terrestris</i> = <i>Pyrenochaeta terrestris</i>	Pyrenochaeta stalk & root rot	5%
<i>Pithomyces maydicus</i>	Ear rot, minor	5%
<i>Rhopoglyphus zeae</i>	Stalk rots, minor	5%
<i>Scopulariopsis brumptii</i>	Ear rot, minor	5%
<i>Spicaria</i> spp.	Stalk rots, minor	5%
<b>Sunflower</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Helminthosporium helianthi</i>	Leaf blight, stem spot, head rot	2%
<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Aphanomyces euteiches</i>	Root rot	5%
<i>Cercospora medicaginis</i>	Black stem & leaf spot	5%
<i>Colletotrichum trifolii</i>	Anthracoise	5%
<i>Leptosphaeria pratensis</i> ( <i>Stagonospora meliloti</i> )	Leaf spot and root rot	5%
<i>Mycleptodiscus terrestris</i>	Damping-off	2%
<i>Phytophthora medicaginis</i>	Damping-off	2%
<i>Phytophthora megasperma</i> f. sp. <i>medicaginis</i>	Damping-off	2%
<b>Wheat</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Puccinia graminis</i>	Wheat stem black rust	0%
<i>Puccinia striiformis</i>	Yellow stripe rust	0%
<i>Sclerophthora macrospora</i>	Downy mildew (Crazy top)	0%
<i>Septoria nodorum</i>	Glumes blotch & Seedling blight	0%
<i>Stagonospora</i> ( <i>Phaeosphaeria</i> ) <i>nodorum</i>	Leaf and glumes blotch	0%
<i>Zymoseptoria tritici</i>	Septoria leaf blotch	0%

<b>Sorghum</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Gibberella fujikuroi</i> var. <i>subglutinans</i> ( <i>Fusarium moniliforme</i> var. <i>subglutinans</i> )	Pokkah Boeng (Twisted top)	<b>2%</b>
<i>Gloeocercospora sorghi</i>	Zonate leaf spot & sheath blight	<b>5%</b>
<i>Ramulispora sorghicola</i>	Oval leaf spot	<b>5%</b>
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Cercospora capsici</i>	Cercospora (frog-eye) leaf spot	<b>5%</b>
<i>Colletotrichum coccodes</i>	Anthracnose	<b>5%</b>
<i>Glomerella cingulata</i> ( <i>Colletotrichum capsici</i> )	Anthracnose	<b>5%</b>
<i>Phytophthora capsici</i>	Phytophthora blight	<b>5%</b>
<i>Verticillium dahliae</i>	Verticillium wilt	<b>5%</b>
<b>Eggplant</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria tomatophilia</i>	Early blight	<b>5%</b>
<i>Cercospora melongenae</i>	Cercospora leaf spot (Frog eye)	<b>5%</b>
<i>Fusarium oxysporum</i> f.sp. <i>melongenae</i>	Fusarium wilt or eggplant yellows	<b>2%</b>
<i>Phytophthora capsici</i>	Late blight	<b>5%</b>
<i>Stemphylium melongenae</i>	leaf spot	<b>5%</b>
<i>Verticillium dahliae</i>	Verticillium wilt	<b>5%</b>
<b>Carrot</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Cercospora carotae</i>	Cercospora leaf spot	<b>5%</b>
<i>Erysiphe umbelliferarum</i> f. <i>dauci</i>	Powdery mildew	<b>5%</b>
<i>Leptosphaeria libanotis</i> ( <i>Phoma rostrupii</i> )	Brown rot (Phoma disease)	<b>5%</b>
<i>Phytophthora cactorum</i>	Rubbery brown rot	<b>5%</b>
<i>Phytophthora megasperma</i>	Root & Rubbery brown rots	<b>5%</b>
<i>Thielaviopsis basicola</i> syn. <i>Chalara elegans</i>	Black root & Licorice rots	<b>5%</b>
<b>Cucurbits</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Cercospora citrullina</i>	Cercospora leaf spot	<b>5%</b>
<i>Diaporthe melonis</i> ( <i>Phomopsis cucurbitae</i> )	Purple stem	<b>5%</b>
<i>Fusarium oxysporum</i> f. sp. <i>melonis</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>benincasae</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>lagenariae</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>luffae</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>momordicae</i>	Fusarium wilt	<b>2%</b>
<i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	Fusarium wilt	<b>2%</b>
<i>Lasiodiplodia theobromae</i> = <i>Diplodia natalensis</i>	Lasiodiplodia vine decline/fruit rot	<b>5%</b>
<i>Monosporascus cannonballus</i>	Monosporascus root rot	<b>2%</b>
<i>Myrothecium roridum</i>	Myrothecium canker	<b>5%</b>
<i>Phomopsis sclerotiodes</i>	Phomopsis black stem	<b>5%</b>
<i>Phyllosticta cucurbitacearum</i>	Phyllosticta leaf spot	<b>5%</b>
<i>Thielaviopsis basicola</i>	Black root rot & Damping-off	<b>5%</b>



<b>Pearl millet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Drechslera dematioidea</i>	Drechslera leaf spot	5%
<i>Rhizoctonia zeae</i>	Rhizoctonia blight	5%
<b>Rice</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria padwickii</i>	Stackburn (Alternaria leaf spot)	5%
<i>Ceratobasidium oryzae-sativae</i> ( <i>Rhizoctonia oryzae-sativae</i> )	Aggregate sheath spot	5%
<i>Cochliobolus lunatus</i> ( <i>Curvularia lunata</i> )	Black kernel	5%
<i>Curvularia</i> spp.	Pecky rice & Seedling blight	5%
<i>Drechslera gigantea</i>	Eyespot	5%
<i>Fusarium</i> spp.	Pecky rice, Root rots & Seedling blight	2%
<i>Gibberella fujikuroi</i> ( <i>Fusarium moniliforme</i> )	Bakanae Disease	2%
<i>Rhizoctonia oryzae</i>	Sheath spot	5%
<i>Sphaerulina oryzina</i> ( <i>Cercospora janseana</i> = <i>Cercospora oryzae</i> )	Narrow brown leaf spot	5%
<b>Strawberry</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Alternaria tenuissima</i>	Alternaria fruit rot	5%
<i>Cercospora fragariae</i>	Cercospora leaf spot	5%
<i>Cercospora vexans</i>	Cercospora leaf spot	5%
<i>Gibberella pulicaris</i> ( <i>Fusarium sambucinum</i> )	Fruit blotch	2%
<i>Glomerella cingulata</i> ( <i>Colletotrichum gloeosporioides</i> = <i>Colletotrichum fragariae</i> )	Anthrachnose & black spot	5%
<i>Mycosphaerella fragariae</i> ( <i>Ramularia brunnea</i> )	Common leaf spot	5%
<b>Citrus</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Colletotrichum acutatum</i>	Post bloom fruit drop	
<i>Alternaria tenuis</i> = <i>Alternaria alternata</i>	Albinism	
<i>Phytophthora hibernalis</i>	Brown rot (fruit) foot rot, gummosis and root rot	
<i>Dothiorella gregaria</i> ( <i>Botryosphaeria ribis</i> )	Dothiorella gummosis and rot	
<i>Nematospora coryli</i>	Dry rot (fruit)	
<i>Phymatotrichopsis omnivora</i>	Phymatotrichum root rot	
<i>Diaporthe citri</i> ( <i>Phomopsis citri</i> )	Melanose & Stem-end rot	
<i>Erythricium salmonicolor</i> = <i>Corticium salmonicolor</i> ( <i>Necator decretus</i> )	Pink disease	
<i>Septoria citri</i>	Septoria spot	

#### **Diseases Not-Reported (Bacteria) in Sudan (Tolerance = 0 to 5)**

<b>Alfa Alfa</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pseudomonas viridiflava</i>	Crown and root rot complex	5%
<b>Wheat</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Pseudomonas fuscovaginae</i>	Bacterial sheath rot	0%

<i>Pseudomonas syringae</i> pv. <i>atropfaciens</i>	Basal glumes rot	0%
<i>Pseudomonas syringae</i> subsp. <i>syringae</i>	Bacterial leaf blight	0%
<i>Xanthomonas campestris</i> pv. <i>translucens</i>	Black bacterial streak	0%
<b>Tomato</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterial stem & fruit rot	5
<b>Pepper</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Erwinia chrysanthemi</i>	Bacterial soft rot	5%
<b>Peanut</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Ralstonia solanacearum</i>	Bacterial Wilt	0%

#### Diseases Not-Reported (Viruses) in Sudan (Tolerance = 0 to 5)

Wheat	Disease	Tolerance
Agropyron mosaic virus (AgMV)	Agropyron mosaic	0%
Barley stripe mosaic virus (BSMV)	Barley stripe mosaic	0%
Oat sterile dwarf virus (OSDV)	Oat sterile dwarf	0%
Wheat dwarf virus (WDV)	Wheat dwarf	0%
Wheat yellow mosaic virus (WYMV)	Wheat yellow mosaic	0%

#### Diseases Not-Reported (Nematodes) in Sudan (Tolerance = 0 to 5)

Maize	Disease	Tolerance
<i>Criconemella ornate</i>	Ring	5%
<i>Quinisolcius acutus</i>	Stubby-root	5%
<b>Pearl millet</b>	<b>Disease</b>	<b>Tolerance</b>
<i>Paratrichodorus minor</i>	Stubby-root nematode	5%
<i>Tylenchorhynchus phaseoli</i>	Stunt nematode	5%
<i>Tylenchorhynchus vulgaris</i>	Stunt nematode	5%
<i>Tylenchorhynchus zaeae</i>	Stunt nematode	5%

#### Grain Quarantine Pests (Post harvest insects) to be declined entry into Sudan

Insect	Family	Order
<i>Prostephanus truncatus</i>	Bostrichidae	Coleoptera

#### Weeds Quarantine Pests to be declined entry into Sudan

Weed	Family	Order
<i>Parthenium hysterophorus</i>	Asteraceae	Asterales