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



<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> )	Anthraxnose & 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>Quinisulcius 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