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**NATIONAL ENVIRONMENTAL STANDARDS AND REGULATIONS
ENFORCEMENT AGENCY (ESTABLISHMENT) ACT, 2007**
**NATIONAL ENVIRONMENTAL (CONTROL OF ALIEN AND INVASIVE
SPECIES)
REGULATIONS, 2013**



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S I No. 32 of 2013

**NATIONAL ENVIRONMENTAL (CONTROL OF ALIEN AND
INVASIVE SPECIES) REGULATIONS, 2013**

[29th October, 2013]

Commence-
ment.

In exercise of the powers conferred on me by section 34 of the National Environmental Standards and Regulations Enforcement Agency (Establishment) Act, 2007 and all other powers enabling me in that behalf, I, ARC. DARIUS DICKSON ISHAKU, fnia, Honourable Minister, Federal Ministry of Environment, hereby make the following Regulations :

PART I—PURPOSE OF THE REGULATIONS

1. These Regulations seeks to prevent the decline, minimize the modification and destruction of ecosystem, economy and human health caused by Alien and Invasive Species (in these Regulations referred to as 'Species') by :

Purpose.

(a) regulating the raising, planting, storing, carrying, importing, or any other handling of the species ;

(b) taking measures, such as mitigation, with the aim of stabilizing and improving national life through contributions to conservation of biodiversity, human safety and sound development of agriculture, forestry and fisheries ;

(c) developing a national database for the proactive management of fauna and flora of the species for the mitigation of existing invasions and the prevention of future occurrences ;

(d) facilitating the integration of regional and global initiatives on trans-boundary movement of the species within the overall national framework ; and

(e) building capacity and skills for the species management.

PART II—ACTIVITIES AND NOTIFICATION

2.—(1) A person shall not undertake a restricted activity involving a specimen of the species listed under Schedule V of these Regulations unless he :

Restricted
Activites.

(a) has a permit ; and

(b) bear the onus of proving that the species falls within the category of the restricted activity.

(2) A person shall require a permit to undertake a restricted activity involving a specimen of the species :

(a) not listed in Schedule V or VI of these Regulations ; and

(b) where the activity will be carried out outside the natural distribution range or between population ranges of such species.

3. A person shall not undertake any restricted activity involving a specimen of the prohibited Species listed in Schedule VI of these Regulations.

Prohibited
Activities.

Prescribed
Activities.

4. The following activities are prescribed as restricted activities involving a specimen of the species :

(a) trade in the species ;

(b) importing into the Country, including introducing from the sea, any wooden, metallic, plastic and other packaging materials that do not comply with extant national standards ;

(c) importing into the Country, including introducing from the sea, any peat or peat products, unless the peat or peat products have been treated in a manner that shall destroy any living specimens of the species that occur in the peat ;

(d) discharging ballast water, from ships mid-sea to the coast of the Country, unless the water has been treated in a manner that shall destroy any living specimens of the species that may occur in the water; or

(e) discharging or disposing into a waterway or the ocean, water from an aquarium, tank or other receptacle that has been used to keep an aquatic species, unless the water has been treated in a manner that shall destroy any living specimens of the species that may occur in the water.

Environmental
Responsibilities.

5. A person who is an occupier of land on which a listed invasive plant species occurs shall control the spread of the species by appropriate environmentally-sound method including :

(a) uprooting, felling or cutting of the plant ;

(b) treatment with a weed killer that is registered for use in connection with such plants in accordance with the directions for the use of such a weed killer ;

(c) any other method of treatment recognized by a designated Competent Authority ; and

(d) any combination of one or more of the methods prescribed in paragraphs (a), (b) and (c).

Notification.

6. The occupier of a land on which a listed species occurs shall on sighting, notify the relevant Competent Authority, in writing, of the listed Invasive Species occurring on that land and such notification shall be in the form set out in Schedule I to these Regulation.

PART III—PERMIT APPLICATION AND RISK ASSESSMENT

Permit
Application
Requirements.

7. An application for a permit under these Regulations shall :

(a) be in the form and contain the particulars set out in Schedule II to these Regulations ;

(b) be in accordance with the provisions of the National Environmental (Permitting and Licensing Systems) Regulations, 2009 ;

(c) be accompanied by the risk assessment report referred to in regulation 8 of these Regulations ;

(d) include any other information as may be required by a Competent Authority ; and

(e) be lodged :

(i) in duplicate, with the relevant Competent Authority together with any other copy as may be required,

(ii) electronically, if required by the relevant Competent Authority, and

(iii) with the original or certified documentation in support of the application required by the Competent Authority.

8. Unless otherwise determined by a Competent Authority, an assessment of risks and potential impacts on ecosystem, economy and human health, of a restricted activity involving a specimen of the species, shall be in accordance with the provisions of Schedule III to these Regulations.

Risk
Assessment.

PART IV—DESIGNATION OF AUTHORITIES

9.—(1) The following institutions shall be the Competent Authorities for the purpose of these Regulations :

Competent
Authorities.

(a) Federal Department of Forestry ;

(b) National Institute for Freshwater Fisheries Research ;

(c) National Biotechnology Development Agency ;

(d) Forestry Research Institute of Nigeria ;

(e) River Basin Development Authorities ;

(f) National Inland Waterways Authority ;

(g) Nigeria Conservation Foundation ;

(h) Nigeria Maritime Administrative and Safety Agency ;

(i) Nigeria Institute of Oceanography and Marine Research ;

(j) Nigeria Agricultural Quarantine Service ;

(k) Agricultural Research Institutes recognized by the Permit Issuing Authority ;

(l) Federal Department of Agriculture ;

(m) Federal Department of Livestock ;

(n) Federal Fisheries Department; and

(o) National Environmental Standards and Regulations Enforcement Agency.

(2) The functions of the Competent Authorities include :

(a) providing technical advice on best methods of management, control and eradication of the species ;

(b) carrying out research on risk assessment and providing information on potential adverse effects of introduction of the species to the ecosystems, economy and human health ;

- (c) reviewing the status of the species ; and
- (d) such other functions as may be necessary for the effective implementation of the provisions of these Regulations.

Monitoring,
Control and
Eradication
Plan.

10.—(1) The Competent Authorities shall collaborate among themselves to develop a Monitoring, Control and Eradication Plan or Strategy for the species, which may be reviewed from time to time.

(2) A copy of the plan referred to in sub-regulation (1) of this regulation shall be lodged with the Issuing Authority.

Status
Report.

11. Each Competent Authority shall submit a report on the status of all listed Invasive Species to the Issuing Authority within two years of these Regulations and every two years thereafter.

PART V—ISSUANCE, REGISTRATION, CANCELLATION ETC, OF PERMITS

Issuing
Authority.

12. The National Environmental Standards and Regulations Enforcement Agency (NESREA) shall be the Issuing Authority for a permit to engage in any restricted activity involving the species mentioned under these Regulations.

Issuance of
Permit.

13.—(1) The provisions of the National Environmental (Permitting and Licensing Systems) Regulations, 2009, shall apply in all matters relating to the issuance of permit under these Regulations.

(2) Notwithstanding the provisions of sub-regulation (1) of this regulation, permit under these Regulations may be cancelled where the Issuing Authority obtains information indicating that the species, or activity involving them are or may be detrimental to biodiversity and human health.

Form and
Contents of
Permit.

14. The form and contents of permits shall be as prescribed under schedule IV to these Regulations.

Registration
of Permit.

15.—(1) The Issuing Authority shall :

(a) establish a register of all permits issued under these Regulations ; and

(b) record in the register the :

(i) scientific and common name of the species for which the permit was issued,

(ii) restricted activity for which the permit was issued,

(iii) condition under which the permit was issued,

(iv) date on which the permit was issued,

(v) period of validity of the permit, and

(vi) location where the restricted activity is to be carried out.

(2) Each Competent Authority shall establish and maintain a national register of all the species :

(a) legally imported into the Country prior to the coming into effect of these Regulations ; and

(b) in respect of which a permit under these Regulation has been issued.

PART VI—COMPLIANCE AND ENFORCEMENT

16.—(1) A permit holder shall notify the Issuing Authority of any incident that may affect compliance with the conditions of the permit.

Compliance with the Conditions of Permit.

(2) Notification under sub-regulation (1) of this regulation shall be :

(a) made expeditiously in writing after the permit holder became aware of the incident ; and

(b) in writing or both verbally and in writing where the incident is likely to result in a threat or loss of biodiversity or adverse human health effect.

17. A person contravenes the provisions of these Regulations where he :

Offences.

(a) carries out any restricted or prohibited activity involving the species, without a permit issued by the Issuing Authority ;

(b) fails to comply with the conditions under which a permit has been issued ;

(c) fabricates, alters or forges any document for the purpose of passing it as a permit or certificate of registration ;

(d) knowingly makes any false statement or report for the purpose of obtaining a permit or certificate of registration ;

(e) fails to notify the Issuing Authority in accordance with these Regulations regarding the occurrence of the species on the land he is occupying ;

(f) fails to implement a directive issued by the Issuing Authority; or

(g) violates any provision of these Regulations.

18.—(1) A person convicted of an offence under regulation 17, involving an Alien Species or Listed Invasive Species is liable to a fine not less than ₦250,000.00 but not exceeding ₦500,000.00 or to imprisonment for a period not exceeding five years or to both such fine and imprisonment and additional fine of ₦25,000.00 for every day the offence subsists.

Penalties.

(2) Where the offence is committed by a body corporate, it shall on conviction, be liable to a fine not less than ₦20,000,000.00 but not exceeding ₦100,000,000.00 or its principal officer to an imprisonment for a term not exceeding five years or to both such fine and imprisonment and an additional fine of ₦500,000.00 for every day the offence subsists.

PART VII MISCELLANEOUS

19. In these Regulations :

Interpretation.

"applicant" means a person applying for a permit under regulation 7 of these Regulations ;

"alien species" means non-native species of plants, animals and microbes, their seeds, spores, eggs or other bio-materials capable of propagating these organisms, which might have migrated or been introduced intentionally or unintentionally from other countries or ecosystems ;

"ballast water" means water pumped into the bottom of a ship to ensure its stability ;

"building capacity" means activities which strengthen the knowledge, abilities, skills and behavior of individuals and improve institutional structures and processes such that the organization can efficiently meet its mission and goals in a sustainable way ;

"captive breeding operation" means a facility where specimens of an alien or listed invasive species are bred in a controlled environment ;

"competent authorities" means the Authorities referred to in regulation 9 of these Regulations ;

"control" means, suppression, removal, management and reduction of the species' population ;

"ecosystem" means natural or man-made complex community of organisms and their existing environment ;

"introduction" means intentional or unintentional escape or release of a species into any ecosystem in the country ;

"invasive species" means either native or non-native species of plant, animal and organism, which might have been introduced intentionally or unintentionally from other countries or ecosystems and threaten their immediate ecosystems ;

"invasion" means the establishment and subsequent spread of a species outside its distribution range to the extent that it poses threat to biodiversity, colonization of habitats, impostor species, reduce yield ;

"issuing authority" means National Environmental Standards and Regulations Enforcement Agency (NESREA) as referred to in regulation 12 of these Regulations ;

"listed invasive species" means a species listed in Schedules V and VI to these Regulations ;

"native species" means species that has historically occurred in particular ecosystem in the country ;

"natural distribution range" as it relates to indigenous species, means the ecological zones and geographical areas in which a species historically occurred in the country and is the area indicated to be the natural distribution range, including additional distribution range ;

"notice" means the notice written by owner of land under regulation 6 of these Regulations ;

"occupier" means owner, leasee, user, etc. of land ;

"peat" means renewable, natural, organic material of botanical origin and includes an accumulation of partially decayed vegetation material that formed in waterlogged, sterile, acidic and anaerobic conditions ;

"permit" means a permit issued under these Regulations ;

"permit holder" means a person to whom a permit has been issued under Part V to these Regulations ;

"person" means an individual or body corporate ;

"prohibited alien species" means an alien species listed under schedule VI to these Regulations ;

"raising" means all activities relating to nursing, planting, storing and carrying as stipulated in regulation 1 of these Regulations ;

"restricted activity" in relation to a specimen of the species, means ;

(a) importing into a country, through land, sea and air, including introducing from the sea, any specimen of the species ;

(b) having in possession or exercising physical control over any of the species ;

(c) Raising, breeding or in any other way propagating any specimen of the species or causing it to multiply ;

(d) conveying, moving or otherwise translocating any specimen of the species ;

(e) selling or otherwise trade in, buying, receiving, donating or accepting as a gift, or in any way acquiring or disposing of any specimen of the species ; or

(f) any other activity prescribed in these Regulations ;

"risk assessment" means a research-based evaluation of the threat or potential threat posed to biodiversity by a restricted activity involving a specimen of the species ;

"sanctuary" means a facility in which a permanent captive habitat is provided in a controlled environment for specimens of the species that would be unable to sustain themselves if released and where no breeding of the species kept in captivity for these purposes are allowed ;

"species" means all groups of organisms that generally interbreed among themselves ;

"specimen" means any part of the species, fresh, dried, tissues, preserved specimens, herbarium vouchers, or derivatives ;

"*trade*" means export, re-export, import and introduction from the sea, land and air ;

"*trans-boundary*" means crossing a provincial, territorial or national boundary or border ;

"*stakeholders*" means land owners, including individuals, groups of people, institutions, corporate bodies, communities, conservation or environmental entities, non-governmental organizations and government agencies ; and

"*weed killer*" means any substance used to eliminate un-wanted plants.

Citation.

20. These Regulations may be cited as the National Environmental (Control of Alien and Invasive Species) Regulations, 2013.

SCHEDULE I

(Regulation 6)

LISTED INVASIVE SPECIES NOTIFICATION FORM

Reference Number :

Date :

1. *Land Occupier's Details:*

(a) Full Name :

(b) Nationality and National Identification Number :

(c) Postal Address :

(d) Telephone Number (Code) :

(e) Fax Number: (Code) :

(f) Mobile Phone Number :

(g) E-mail Address :

2. *Site and Species Details :*

(a) Location, State/Local Government Area :

(b) Global Positioning System (GPS) Coordinates :

(c) Listed Invasive Species occurring on land and/or water (Attach list if space is insufficient) :

(i) Scientific name :

(ii) Common name :

(d) Extent of the infestation of each species, density of infestation (estimated number of specimens/area infested) and frequency (e.g. isolated specimens, small groups, large groups, sparse, dense, very dense).

(e) Provide details of the location of the listed Invasive Species on the property. (Please mark on a separate 1:50,000 map or aerial photo).

(f) What measures have been adopted to monitor, control and/or eradicate the Invasive Species listed in item 2 (c) above?

3. *Undertaking :*

I, the undersigned, (*Full Name*) : hereby confirm that the above information is correct and complete to the best of my knowledge.

Signed : Date:.....

A PPLICATION FORM FOR A PERMIT

Reference Number:.....

Date.....

1. *Personal Details:*

- (a) Full Name of Applicant :
- (b) Identification Number :
- (c) Company (*if applicable*) :
- (d) Physical Address :
- (e) Postal code :
- (f) Postal Address :
- (g) Telephone Number (*Code*) :
- (h) Fax Number (*Code*) :
- (i) Mobile Phone Number :
- (j) E-Mail Address :

2. *Species information :*

- (a) Scientific Name :
- (b) Common Name :
- (c) Description :
- (d) Quantity (*number/mass*) :

3. *Restricted activity for which permit is required :*

Encircle the relevant activity and complete the appropriate sections

- (a) Import into Country (*complete section 4*)
- (b) Possession (*complete section 5*)
- (c) Growing/Breeding/Propagating (*complete section 6*)
- (d) Conveying/Moving/Translocating (*complete section 7*)
- (e) Selling/Trading/Buying (*complete section 8*)
- (f) Receiving /Giving/Donating (*complete section 9*)
- (g) Disposal/Acquisition (*complete section 10*)

4. Details required for import into the Country :

- (a) Full name and Address of foreign supplier/exporter.....
.....
- (b) Full name and Address of importer and final destination
.....
- (c) Port of Entry
- (d) Expected date of Arrival
- (e) Departure

5. Details required for possession :

- (a) Name and address of person taking possession of specimen(s) (if different from applicant).....
- (b) Permit address (where specimen will be kept)

6. Details required for growing/breeding/propagating :

- 6.1. Name of breeder... ..
- 6.2. Type of facility (Encircle the appropriate facility) :
 - (a) Botanical Garden ;
 - (b) Arboretum ;
 - (c) Nursery—Wholesale ;
 - (d) Nursery—Retail ;
 - (e) Museum ;
 - (f) Zoo ;
 - (g) Captive breeding operation ;
 - (h) Game farm ;
 - (i) Others (specify) :

6.3. Address of the facility where this restricted activity is to be carried out :
.....

6.4. Date of Establishment :

7. Details required for conveying/moving/translocation :

7.1. Conveyed/Moved /Translocated from (name and address) :
.....

7.2. Conveyed/Moved/Translocated to (name and address) :
.....

7.3. Expected date and duration of activity:.....

7.4. Method :
.....

8. Details required for selling/trading/buying :

8.1. Address of premises from where the restricted activity is to be carried out :
.....

8.2. Name and address of buyer/purchaser/trader :
.....

9. Details required for receiving/giving/donating :

9.1. Name and address of giver/donor
.....

9.2. Name and address of recipient

10. Details required for disposal/acquisition :

10.1. Address of premises where activity is to be carried out :
.....

10.2. Proposed method of disposal/acquisition :

10.3. Reason(s) for disposal/acquisition :
.....

11. (UNDERTAKING) I, the undersigned, (Full Name).....

.....
hereby confirm that the above information is correct and complete to the best of my knowledge.

Signed :

Date :

For Official Use Only:

Permit approved

Official stamp

Permit not approved

Official stamp

Reason :
.....

SCHEDULE III

(Regulation 8)

INFORMATION REQUIRED FOR ASSESSMENT OF RISK AND POTENTIAL IMPACT OF ALIEN AND INVASIVE SPECIES

1. Evaluation of Invasive Status :

- (a) Taxonomy of the species :.....
- (b) Taxonomy Serial Number (TSN)
- (c) Scientific name
- (d) Synonyms
- (e) Common names
- (f) Family

2. Originating Environment of the species :

- (a) Climate
- (b) Extent of geographic range and trends.....
- (c) Persistence attributes of the species.....
- (d) Reproductive potential
- (e) Mode of reproduction
- (f) Dispersal mechanisms.....
- (g) Undesirable traits
- (h) invasive tendencies of the species elsewhere and taxonomic predisposition

(i) History of domestic propagation or cultivation of the species, introductions and the extent of naturalization and nutritional or dietary requirements of the species and, where applicable, whether it enjoys a specialist or generalist diet

(j) Information regarding the restricted activity in respect of which the permit is sought :

- (i) Nature of the restricted activity.....
- (ii) Reason for the stricted activity.....
- (iii) Location where the restricted activity is to be carried out.....

- (k) Number of Specimens of the Species involved.....
 - (l) Gender (Where applicable) of the specimens of the species involved.....
 - (m) Intended destination of the specimens, if they are to be translocated.....
 - (n) Information regarding the receiving environment ;
 - (o) Climate match.....
 - (p) Habitat.....
 - (q) Presence of natural enemies, predators and competitors
 - (r) Presence of potentially reproductive compatible species
3. Information that the Competent Authority may determine :
- (a) The probability that the species will naturalize in the area in which the restricted activity is to be undertaken or elsewhere in the Country.....
 - (b) The probable impact of the species on the biodiversity and sustainable use of natural resources of :
 - (i) the area in which the restricted activity is to be undertaken.....; and
 - (ii) elsewhere in the Country

SCHEDULE IV

(Regulation 14)

PERMIT

- Sequential permit number (*Handwritten*).....
- Specify :
- (a) The person to whom it applies
 - (b) The identity or registration number
 - (c) Scientific Name and Taxonomic Serial Number (TSN) of species
 - (d) The restricted activities for which the permit is issued.....
 - (e) The validity period
 - (f) Signed by the Issuing Authority and certified by an official stamp
 - (g) Contain conditions, if any.

SCHEDULE V

(Regulation 2)

LIST OF ALIEN AND INVASIVE SPECIES REQUIRING PERMIT

The list in this Schedule shall include :

(a) all species which are not necessarily now invasive but may have characteristics for invasion and may become invasive if traded and therefore subject to strict control in order to prevent or restrict their spread ;

(b) all traded ornamental plants and animals ; and

(c) such other species as may from time to time be identified.

LIST OF ALIEN AND INVASIVE SPECIES REQUIRING PERMIT

S/No.	Common Name	Scientific Name
<i>Reptiles</i>		
1.	Bicoloured trailing ant,	Monomoriumfloricola Jerdon, 1851
2.	Medfly, Mediterranean fruit fly	Ceratitis capitata Wiedermann, 1824
3.	Hibiscus mealybug, hibiscus-schmierlaus, pink hibiscus mealybug,	Maconellicoccushirsutus Green, 1802
<i>Fishes</i>		
1.	Amur snakehead, northern snakehead	Channa argus Cantor, 1842
2.	Grass carp	Ctenopharyngodonidella Vallenciennes, 1844
3.	Common carp	Cyprinus carpio Linnaeus, 1758
4.	American black bass	Micropterus salmoides Lacepede, 1802
5.	Pangasius, siamese or sutchicatfish, iridescent shark, Malay.	Pangasius hypophthalmus Sauvage, 1878
<i>Birds</i>		
1.	Canard colvert, mallard	Anas platyrhynchos Linnaeus, 1758
2.	Purple swamphen	Porphyrio porphyrio Linnaeus, 1758
3.	Ring-necked parakeet, rose-ringed parakeet	Psittacula krameri Scopoli 1769

LIST OF ALIEN AND INVASIVE SPECIES REQUIRING PERMIT—continued

S/N	Common Name	Scientific Name
<i>Reptiles</i>		
1.	Boottace snake, Brahminy blind snake	Ramphotyphlopsbraminus Daudin, 1803
<i>Algae</i>		
1.	Hypnea	Hypneamusciformis (Whlfrn) J.V. Lamoroux
<i>Fungi</i>		
1.	Brown root rot	Phellinusnoxius (Cormer)G. Cunn., 1965
<i>Aquatic Plants</i>		
1.	Azolla	Azollaafricana Desv.
2.	Water Lettuce, Pistia	Pistiastratiotes L.
3.	Ayaaya (Hausa)	Cyperus articulates L.
4.	Papyrus, Bulrush	Cyperus Papyrus L.
5.	Lemna, Duckweed	Lemnapausicostata Hegel
6.	Burugu grass, Hippo grass	Echinochloa stagnina (Retz.) P. Beauv.
7.	Reed	Phragmites karka (Retz.) Trin. Ex Steud.
8.	West Indian marsh grass	Hymenachneamplexicaulis (Rudge) Nees
9.	Hornwort, rigid hornwort, coontail, coon's tail	CeratophyllumdemersumL.
10.	Giant sensitive plant	Mimosa pigra L.
11.	Water mimosa	Neptuniaoleracea Lour.
12.	Morning glory	Ipomoea aquatic Forsk.
13.	Water primrose	Ludwigia stolonifera (Guill. Perr.) P.H. Raven
14.	Water chestnut	Trapa natan L.
15.	Alligator weed	Oxycaryumcubense (Poepp. & Kunth.) Palla
<i>Vine, Grass, Herbs, Shrubs and Trees</i>		
1.	Indian nettle	Acalyphaindica L.
2.	Monkey rope, snake climber, wild granadilla	Adenia cissampeloide (Planch. ex Hook.) Harms
3.	Brazilian joyweed	Alternantherabrasiliana (L.) Kuntz.

LIST OF ALIEN AND INVASIVE SPECIES REQUIRING PERMIT—*continued*

SN	Common Name	Scientific Name
4.	San Miguelito vine, Mexican creeper, coral vine	Antigonum leptopus H. and A.
5.	Cissus	Cissus arguta Hook. f.
6.	Benghal day flower	Commelinabenghalensis L.
7.	Pink lady	Dissotis rotundifolia (SM.) Triana
8.	Spanish flag	Lantana camara L.
9.	Rough-stemmed morning glory	Merremiakentocaulos (C.B. Clarke) Hallier f.
10.	Action plant	Mimosa pudica L.
11.	Wild maracuja	Passiflora foetida L.
12.	Wild tea bush	Platostoma africanum P. Beauv.
13.	Nanon	Ruthalicia eglandulosa (Hook. f.) C. Jeffrey
14.	Fourvalve	Mimosa quadrivalvis var. leptocarpa (DC.) Barneby
15.	Bristlegrass; marygrass; corngrass	Setaria barbata (Lam.) Kunth.
16.	Burr Bush, Chinese Burr, Diamond Burrbark	Triumfetta rhomboidea Jack.
17.	Beggar ticks	Bidens pilosa L.
18.	Bombay black wood	Dalbergiasissoo DC.
19.	Indian cherry	Ziziphus mauritiana Lam.
20.	Herb of grace	Bacopa monnieri (L.) Pennell
21.	Balloonvine	Cardiospermum grandiflorum Sw.
22.	Buffel grass	Cenchrus ciliaris L.
23.	Feathery pennisetum	Cenchrus polystachios (L.) Morrone
24.	Victoria grass	Panicum repens L.
25.	Indian crown grass	Paspalum scrobiculatum L.
26.	Castor-oil-plant	Ricinus communis L.
27.	Guinea-fowl grass	Rottboellia cochinchinensis (Lour.) Clayton
28.	Iron wood tree, kassod tree, flamboyant, Siamese senna	Senna asiatica (Lam.) H.S. Irwin and Barneby

LIST OF PROHIBITED INVASIVE SPECIES

The list in this Schedule shall include :

- (a) all species which already threaten the agro and natural ecosystems ;
 (b) all species listed elsewhere as IAS ; and
 (c) such other species as may from time to time be identified.

SCHEDULE VI—LIST OF PROHIBITED INVASIVE SPECIES

S/No.	Common Name	Scientific Name
<i>Insects</i>		
1.	Asian tiger mosquito, forest day mosquito	<i>Aedes albopictus</i> Schick, 1970.
2.	Destructive trailing ant, Singapore ant	<i>Monomorium destructor</i> Jerdon, 1851.
3.	Crazy ant, hairy ant, slender crazy ant	<i>Paratrechina longicornis</i> Latreille, 1802.
4.	House infesting ant, tiny yellow house ant	<i>Tapinoma melanocephalum</i> (Fabricius, 1793).
5.	Khapra beetle	<i>Trogoderma granarium</i> Everts, 1899.
6.	Others	
<i>Fishes</i>		
1.	Blue tilapia	<i>Oreochromis aureus</i> Steindacher, 1864.
2.	Nile tilapia, Nile mouthbrooder	<i>Oreochromis niloticus</i> Linnaeus 1758.
3.	Victoria perch, Nile perch	<i>Lates niloticus</i> Linnaeus, 1758.
4.	Nigercichlid, spotted tilapia	<i>Tilapia mariae</i> Bolenger, 1899.
5.	Mango fish	<i>Tilapia zillii</i> Linnaeus, 1758.
6.	Others	
<i>Birds</i>		
1.	Carrier pigeon, feral pigeon	<i>Columba livia</i> Gmelin 1789.
2.	Common waxbill, red-cheeked waxbill	<i>Estrilda astrild</i> Linnaeus, 1758.
3.	Others	

SCHEDULE VI—LIST OF PROHIBITED INVASIVE SPECIES—*continued*

S/No	Common Name	Scientific Name
<i>Reptiles</i>		
1.	Afro-American house gecko	<i>Hemidactylus mabouia</i> Moreau De Jones, 1818.
2.	Others	
<i>Mammals</i>		
1.	Gambian giant pouched rat	<i>Cricetomys gambianus</i> Waterhouse, 1840.
2.	Dancing red monkey,	<i>Erythrocebus patasz</i> Schreber, 1775.
3.	Domestic rat	<i>Rattus rattus</i> Linnaeus, 1758.
4.	Others	
<i>Aquatic Plants</i>		
1.	Nypa palm	<i>Nypa fruticans</i> Wurm.
2.	Lade Koro (Yoruba)	<i>Vossia cuspidata</i> Griff.
3.	Water hyacinth	<i>Eichhornia crassipes</i> (Mart.) Solms.
4.	Kariba weed,	<i>Salvinia molesta</i> Mitchell.
5.	African payal, aquarium watermoss, water fern, African pyle Salvinia	<i>Salvinia nymphelulla</i> Desv.
6.	Varietal water hyacinth	<i>Eichhornia diversifolia</i> (Vahl) Urb.
7.	Southern cattail	<i>Typhadomingensis</i> Pers.
8.	Lagarosiphon	<i>Lagarosiphon cordofanus</i> Gasp.
9.	Others	
<i>Vine, Grass, Herbs, Shrubs and Trees</i>		
1.	Bitter bush	<i>Chromolaena odorata</i> (L.) R.M. King & H. Robinson.
2.	Grassleaf spurge	<i>Euphorbia graminea</i> Jack.
3.	Acacia palida	<i>Leucaena leucocephala</i> (Lam.) de Wit.
4.	Giant false sensitive plant	<i>Mimosa invisa</i> Colla
5.	Mexican sunflower	<i>Tithonia diversifolia</i> (Hemsl.) A. Gray
6.	Typha grass	<i>Typhadomingensis</i> .
7.	Flamboyant tree, Flame tree, Roral Poinciana	<i>Delonix regia</i> (Hook.) Raf.

SCHEDULE VI—LIST OF PROHIBITED INVASIVE SPECIES—*continued*

S/No.	Common Name	Scientific Name
<i>Reptiles</i>		
8.	Quick stick, Aron's rod, Growth stick	Gliricidasepium (Jack.) walp.
9.	Ebano-oriental, Rain tree, woman's tongue tree, lebbeck, lebbek	Albizialebbeck (L.) Benth.
10.	African rubber tree	Dracaena arborea (Wild.) Link.
11.	Witchweed, purple witchweed	Strigahermonthica (Del.) Benth.
12.	Witchweed	Strigaasiatica
12.	Orange plantation invasive orchid	Aerangisbiloba (Lindl.) Schltr.
13.	Mistletoe	Tapinanthusglobiferus (A.Rich.) Tiegh
14.	Giant false sensitive plant	Mimosa invisica Colla.

ISSUED at Abuja this 29th day of October, 2013.

ARC. DARIUS DICKSON ISHAKU, *fnia*,
Honourable Minister of Environment

EXPLANATORY NOTE

*(This note does not form part of these Regulations
but is intended to explain its purports)*

These Regulations seek to provide a legal framework for the prevention of the decline and minimization of the modification and destruction of ecosystem, economy and human health caused by Alien and Invasive Species in Nigeria.