

**NOTICE 2485 OF 1999
NATIONAL DEPARTMENT OF AGRICULTURE**

**CONSERVATION OF AGRICULTURAL RESOURCES ACT, 1983
(ACT 43 OF 1983)**

REGULATIONS: PROPOSED AMENDMENT

The executive officer designated as such in terms of section 4 of the Conservation of Agricultural Resources Act, 1983 (Act 43 of 1983) hereby makes known that he intends to request the Minister of Agriculture to make the regulations set out in the Schedule hereto.

INTRODUCTION

The realities of the detrimental influence of undesirable or problem plants on the natural resources of South Africa are well known and are documented in popular, technical and scientific publications. The mandate to combat these plants rests with the Act on the Conservation of Agricultural Resources, 1983 (Act 43 of 1983) where they are defined as weeds and invader plants. It became increasingly important to revise the regulations governing the combating of these plants because their threat is not diminishing and they are spreading at an alarming rate.

The unfortunate universal situation is that in many countries including South Africa, plants of alien origin tend to spread and invade ecosystems and become problem plants in areas away from their natural habitats.

Potentially harmful alien plants can be categorized into weeds and invader plants.

Weeds are regarded as alien plants with no known useful economic purpose. They are a menace, should be eradicated and trading cannot be allowed.

Invader plants are also of alien origin and, except for their aggressive nature to invade into niches in a wide range of ecosystems, they may serve useful purposes as ornamentals, as sources of timber and may provide many other benefits. They should be managed and be prevented to spread into areas where they usurp water or invade the natural vegetation. Trading could be allowed, but only conditionally.

Biological control of weeds and invader plants will become an increasingly important method of control. This is however a long-term strategy. Conventional methods of control and combating remain important.

The draft regulations presented here are the result of deliberations and consultations with specialists in different disciplines. The public is invited to submit reasons why the draft regulations should not be promulgated; to offer suggestions for improvement; to voice opinions on the control of weeds and invader plants and to suggest changes to the proposed list of declared plants as well as the formulation of the regulations. Note that two alternative proposals are presented for the combating of alien invader plants.

Interested parties are requested to submit comments on the proposed Regulations within sixty (60) days from the date of publication hereof to:

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SCHEDULE

Definitions

1. In this schedule "the regulations" means the regulations published by Government Notice No. R. 1048 of 25 May 1984, as amended by Government Gazette Notice No. R. 2687 of 6 December 1985.

Substitution of regulations 15 and 16

2. The Regulations are hereby amended by the substitution for regulation 15 and 16 of the following regulations:

SCHEDULE

Substitution of regulation 15

"Declared weeds and invader plants"

15A(1) For the purpose of regulations 15.A, 15.B, 15.C, 15.D, 15.E and 16.A, any word or expression in these regulations to which a meaning has been assigned in the Act shall have that meaning and, unless the context otherwise indicates —

"**control**" means the combating of declared invader plants to such an extent that the spread thereof is curtailed and that their numbers are decreased and in the case of declared weeds that combating is aimed at the eradication of such weeds,

"**demarcated area**" means any area where alien plants are established or are to be established for commercial production, gardening, recreation, beautification and any similar beneficial purpose,

"**eradicate**" means to treat plants by any suitable method in order to prevent such plants from growing, multiplying and propagating,

"**land unit**" means one or more units of land that are used separately or jointly to form an entity of land, which may be privately, publicly or communally managed and it includes land under the jurisdiction of any company, organ of state, provincial or local authority,

"**propagating material**" means any material of a plant that can be used for the propagation of a plant, and

"**bush encroachment**" means stands of woody plants where individuals are closer to each other than twice the mean crown diameter but not further apart from each other than three times the mean crown diameter of each of the kinds of woody plants.

(2) The plant species listed in column 1 of Table 3 of the Annexure are hereby declared weeds or invader plants throughout the Republic to the extent indicated opposite their names in column 2 of the said Table.

(3) The plants referred to in column 1 of Table 3 of the Annexure are divided into three different categories as indicated in column 3 of the said table opposite their names, namely:

(a) Category 1 plants are weeds and serve no useful economic purpose and possess characteristics that are harmful to humans, animals or the environment.

(b) Category 2 plants are plants that are useful for commercial plant production purposes but are proven plant invaders under uncontrolled conditions outside demarcated areas.

(c) Category 3 plants are mainly used for ornamental purposes in demarcated areas but are proven plant invaders under uncontrolled conditions outside demarcated areas.

Combating of category 1 plants

15.B(1) Category 1 plants shall not occur on any land or on any inland water surface.

(2) Such plants shall be eradicated and the control methods stipulated in regulation 15.D shall apply

(3) No person shall —

(a) sell, or offer, advertise, keep, exhibit, import, export, transmit, send, convey or deliver for sale, or exchange for anything or dispose of to any person in any manner for a consideration, any weed; or

(b) in any other manner whatsoever disperse, cause or permit the dispersal of any weed, seed or other propagating material of weed from any place in the Republic to any other place in the Republic or from any other country to the Republic or from the Republic to any other country.

(4) (a) If any weed, seed of weed or any propagating material of weed adheres to boat after use on a water surface or to an animal which is driven on a public road, conveyed in a vehicle or offered for sale at a livestock auction, the adhering material must be promptly removed from that boat, vehicle or animal.

(b) Such removed material shall be destroyed in a manner that will ensure that it will not be able to reproduce itself.

(c) The executive officer may in addition to subsections (a) and (b) issue specific directives applicable in specific areas to prevent the spreading of weeds by the movement of infested vehicles and livestock.

(5) The provisions of subregulations (3) and (4) shall not apply with regard to plant material destined for a business which is registered in terms of the Plant Improvement Act, 1976 (Act No.53 of 1976) to clean propagating material for sale, provided the words "uncleansed seed" or "onskoongemaakte saad" appear on the containers of such seed or plant material.

Combating of category 2 and category 3 plants

15.C(1) Subject to the provisions of subregulations (3) and (4), category 2 and 3 plants may occur or may be established on any area demarcated for that purpose provided that:

(a) Plantings thereof are confined to such demarcated areas.

(b) Controlled conditions of cultivation and care prevail in the demarcated areas.

(c) Plants or products derived from the plants primarily serve beneficial purposes including uses for own consumption, esthetic value, ornamentation, building material, animal fodder and fuel.

(d) Precautionary measures to reduce the spreading of seed or any other propagating material to land outside the demarcated areas are implemented.

(2) If Category 2 and 3 plants occur in any area outside the areas referred to in subregulation (1) such plants shall be dealt with in terms of subregulation 15.B(1).

(3) The seed or any other propagating material of category 2 plants may be imported and may be used in trading subject to the provisions of the Plant Improvement Act, 1976 (Act No. 53 of 1976), the Agricultural Pests Act, 1983 (Act No. 36 of 1983) and the regulations in terms of the Environment Conservation Act, 1989 (Act No. 73 of 1989) as published by Government Notice No.R.1182 of 5 September 1997.

(4) The seed or any other propagating material of category 3 plants shall not be traded, imported and used to establish new plantings at any place by any person.

(5) If plants specified as category 2 and 3 plants occur on any land or water surface outside demarcated areas, the land user shall control those plants in accordance with the control methods as stipulated in regulation 15.D.

(6) The executive officer may in consultation with the land user, define and declare specific areas where the control and if necessary the eradication of category 2 and 3 plants within demarcated areas are mandatory to protect surrounding areas against invasion.

(7) Subject to the provisions of subregulation (8) no land user shall :

- a. Regard an area occurring on a land unit as a demarcated area if it does not conform to the definition of a demarcated area.
- b. Cultivate plants specified by "Controlled cultivation" in column 4 of Table 3.
- c. Allow plant species specified by "See subreg. 15.C (7)(c)" in column 4 of Table 3 to occur within and closer than 30 meters from the outside boundaries of the flood areas of perennial watercourses and wetlands.

(8) The executive officer may grant written approval to the land user to deviate from the provisions of subregulation (7), under such conditions as may be determined by the executive officer.

Control methods

15.D(1) If plants specified in column 1 of Table 3 of the Annexure occur contrary to the provisions of regulation 15.B and 15.C, the land user shall control those plants effectively by means of any of the following control methods:

(a) The plants concerned shall be uprooted, felled or cut off and shall be destroyed completely by burning or any other suitable method.

- a. The plants concerned shall be treated with a herbicide that is registered for use in connection therewith in accordance with the directions for the use of such a herbicide.
- b. The plants concerned may be combated and the spreading of the plants may be curtailed by biological control methods in addition to other control methods provided:

- i. The release of the biological control agents is done in accordance with the stipulations of the Agricultural Pests Act, 1983 (Act No. 36 of 1983), and the Environment Conservation Act, 1989 (Act No. 73 of 1989).
- ii. Areas and locations where the biological control agents have been established are not disturbed by other control methods to the extent that the agents are destroyed and become ineffective.

- iii. The land user obtains written consent from the executive officer to reserve specific areas in which the biological control agents can multiply and from where they can disperse into adjoining infestations of weeds or invader plants.
 - iv. The demarcation of such reserves shall be done in consultation with the institution responsible for the release of the biological control agents.
- a. Any other recognized method of treatment that has as its object the destruction of the plants concerned may be applied with regard thereto subject to the provisions of subregulation (4).

(2) The methods referred to in subregulation (1) shall also be applied with regard to the seed, seedlings and the regrowth of the plants concerned in order to prevent them from forming seed or re-establishing in any way

(3) The performance of any acts of control is not in itself proof that the objects of the control methods have been achieved and repetitive follow-up operations are mandatory to achieve an effective level of control in the case of category 2 and category 3 plants; or eradication in the case of category 1 plants.

(4) Any action taken to control weeds and invaders shall be executed with caution and in a manner that will limit detrimental impacts on the environment to a minimum; and the provisions of regulations 2 to 14 must be considered and adhered to.

Emergency actions to prevent the spread of undesirable plants

15.E(1)The executive officer may instruct subject to the provisions of subregulations(2) and (3) that a specific plant species that is not listed in Table 3 of the Annexure, be eradicated, or if that is not successful, be effectively controlled in a specified area.

(2) The executive officer only shall ensure that:

- a. The evidence is unbiased and sufficient to warrant swift action to prevent the further spread of the plant species that may, if allowed to spread, detrimentally affect the natural resources.
- b. The action is cost-effective.
- c. The action is properly recorded and made known by way of a general notice in the Government Gazette to interested and affected parties, including the Minister.

(3) The executive officer may direct a land user to apply such actions."

Substitution of regulation 16

"Declared indicators of bush encroachment

16.A(1)Indigenous plants specified in column 1 of Table 4 of the Annexure are hereby declared indicator plants indicating bush encroachment in the corresponding areas specified in column 2 of the said table .

(2) The land user of an area in which natural vegetation occurs and contain communities of the plants referred to in subregulation (1) shall follow practices to prevent the deterioration of natural resources and where bush encroachment occurs, to combat it.

(3) The practices contemplated in subregulation (2) shall consist of the following measures as are necessary under the circumstances provided that the application of any measure is designed to remove the cause of the deterioration, and to improve and maintain the production potential of the natural pastoral land:

- a. The plants concerned shall be treated with a herbicide that is registered in connection therewith, in accordance with the directions for the use of such a herbicide.
- b. The application of control measures regarding the utilization and protection of veld in terms of regulation 9.
- c. Livestock reduction or removal of animals in terms of the control measures of regulations 10 and 11.
- d. Any research-based method or strategy that may be applicable and is specified by the executive officer by means of a direction"

Insertion of Table 3 and Table 4

The following tables are hereby inserted in the Annexure of the Regulations after Table 2:

[Table 3](#)

[Table 4](#)

ALTERNATIVE FORMULATION OF THE REGULATIONS ON THE COMBATING OF DECLARED INVADER PLANTS

NOTE: The following formulation is suggested as an alternative to deal with the combating of declared invader plants.

In this case the reasoning is that it is not feasible to confine category 3 plants to demarcated areas, but that they be eradicated when natural resources are threatened. This means that *discretionary judgement* must be exercised to decide on the influence of category 3 plants on the environment.

The reasoning with regard to category 2 plants remains unaltered. Effective combating is necessary in both cases.

Combating of category 2 plants

15.X(1) Category 2 plants may occur or may be established on any area demarcated for that purpose provided that:

- a. Plantings are confined to such demarcated areas.
- b. Controlled conditions of cultivation and care prevail in the demarcated areas.
- c. Plants or products derived from the plants primarily serve beneficial purposes including uses for own consumption, building material, animal fodder, windbreaks and fuel.
- d. Precautionary measures are implemented to reduce the spreading of seed or any other propagating material to land outside the demarcated areas

(2) If category 2 plants occur in any area outside the areas referred to in subregulation (1) such plants shall be dealt with in terms of subregulation 15.B(1).

(3) The seed or any other propagating material of category 2 plants may be imported and may be used in trading subject to the provisions of the Plant Improvement Act, 1976, (Act No. 53 of 1976); the Agricultural Pests Act, 1983 (Act No. 36 of 1983) and the regulations in terms of the Environment Conservation Act, 1989 (Act No. 73 of 1989) published by Government Notice No. R.1182 of 5 September 1997.

(4) It is the duty of a land user on whose land unit category 2 plants occur or are to be established to decide where the demarcated areas are situated, and, if there is uncertainty, to obtain advice from the competent authority.

(5) Category 2 plants occurring on any land or water surface outside demarcated areas shall be controlled in accordance with the control methods in regulation 15.D.

(6) The executive officer may in consultation with the land user, define and declare specific areas where the control and, if necessary, the eradication of category 2 plants within demarcated areas are mandatory to protect the natural resources in the vicinity against invasion.

(7) Subject to the provisions of subregulation (8) no land user shall:

- a. Regard an area occurring on a land unit as a demarcated area if it does not conform to the definition of a demarcated area.
- b. Cultivate plants specified by "Controlled cultivation" in column 4 of Table 3.
- c. Allow plant species specified by "See subreg. 15.C(7)(c)" in column 4 of Table 3 to occur within and closer than 30 meters from the outside boundaries of the flood areas of perennial watercourses and wetlands.

(8) The executive officer may grant written approval to the land user to deviate from the provisions of subregulation (7), under such conditions as may be determined by the executive officer.

Combating of category 3 plants

15.Y(1)Category 3 plants may occur or may be established on any land in the Republic provided:

- a. They are eradicated where they are a threat to the natural resources or where they invade the natural vegetation.
- b. The seed or any other propagating material of category 3 plants are not imported and used in trading of any kind by any person.

(2) The land user shall eradicate category 3 plants occurring on any land or water surface, when the stipulation in subsection 1(a) so requires, in accordance with the control methods in regulation 15.D.

The executive officer may in consultation with the land user define and declare specific areas where the eradication of category 3 plants are mandatory within the areas demarcated for category 2 plants, to protect the natural resources in the vicinity against invasion.

Insertion of Table 3 and 4

The following tables are hereby inserted in the Annexure of the Regulations after Table 2:

[Table 3](#)

[Table 4](#)

TABEL 3 / TABLE 3 VERKLAARDE ONKRUIDE EN INDRINGERPLANTE / DECLARED WEEDS AND INVADER PLANTS [REGULASIE/ REGULATION 15.A, 15.B, 15.C, 15.D & 15.E]

Soort plant / Kind of plant		Tipe / Type	Kategorie/ Category	Spesiale voorwaardes / Special conditions
<i>Botaniese naam / Botanical name</i>	<i>Gewone naam / Common name</i>			
Kolom 1 / Column 1		Kolom 2 / Column 2	Kolom 3 / Column 3	Kolom 4 / Column 4
<i>Acacia baileyana</i> F. Muell.	Bailey-se-wattel / Bailey's wattle	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Acacia cyclops</i> A. Cunn. ex G. Don	Rooikrans / Red eye	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Acacia dealbata</i> Link	Silwerwattel / Silver wattle	Indringer / Invader	2	Kategorie 1 plant in Wes- Kaap/ Category 1 plant in Western Cape Kyk / See subreg. 15.C(7)(c)
<i>Acacia decurrens</i> (J.C. Wendl.) Willd.	Groenwattel / Green wattle	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Acacia elata</i> A. Cunn. ex Benth. (<i>A. terminalis</i> misapplied in S.A.)	Peperboomwattel / Pepper tree wattle	Indringer / Invader	3	
<i>Acacia implexa</i> Benth.	Screw-pod wattle	Onkruid / Weed	1	
<i>Acacia longifolia</i> (Andr.) Willd.	Langblaarwattel / Long-leaved wattle	Onkruid / Weed	1	
<i>Acacia mearnsii</i> De Wild.	Swartwattel / Black wattle	Indringer /	2	Kategorie 1 plant in Suid

		Invader		Afrika, behalwe KwaZulu-Natal en Mpumalanga waar dit kommersieel verbou word / Category 1 plant South Africa, except in KwaZulu-Natal and Mpumalanga where it is used commercially
<i>Acacia melanoxylon</i> R. Br.	Australiese swarthout / Australian blackwood	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Acacia paradoxa</i> DC. (=A. armata R. Br.)	Kangaroo wattle	Onkruid / Weed	1	
<i>Acacia podalyriifolia</i> A. Cunn.	Vaalmimosa / Pearl acacia	Indringer / Invader	3	
<i>Acacia pycnantha</i> Benth.	Gouewattel / Golden wattle	Onkruid / Weeds	1	
<i>Acacia saligna</i> (Labill.) H.L. Wendl.	Port Jackson / Port Jackson willow	Onkruid / Weeds	1	
<i>Agave sisalana</i> Perrine	Garingboom / Sisal hemp, Sisal	Indringer / Invader	2	
<i>Alhagi maurorum</i> Medik. (=A. camelorum Fisch.)	Kameeldoringbos / Camel thorn bush	Onkruid / Weed	1	
<i>Anredera cordifolia</i> (Tenore) Steen. { <i>A. baselloides</i> (H.B.K.) Baill. Misapplied in South Africa}	Madeira vine, Bridal wreath	Onkruid / Weed	1	
<i>Araujia sericifera</i> Brot.	Motvanger / Moth catcher	Onkruid / Weed	1	
<i>Argemone ochroleuca</i> Sweet subsp. <i>ochroleuca</i>	Witblom bloudissel / White flowered Mexican poppy	Onkruid / Weed	1	
<i>Arundo donax</i> L.	Spaanse riet / Giant reed, Spanish reed	Indringer / Invader	3	
<i>Atriplex lindleyi</i> Moq. subsp. <i>inflata</i> Wilson (Muell.)	Blasiesoutbos / Sponge-fruit saltbush	Indringer / Invader	3	
<i>Atriplex nummularia</i> Lindley subsp. <i>Nummularia</i>	Oumansoutbos / Old man saltbush	Indringer / Invader	2	
<i>Azolla filiculoides</i> Lam.	Rooiwatervaring / Azolla, Red water fern	Onkruid / Weeds	1	Kyk / See subreg. 15.C(7)(c)
<i>Caesalpinia decapetala</i> (Roth) Alston (= <i>C. sepiaria</i> Roxb.)	Kraaldoring / Mauritius thorn	Onkruid / Weed	1	
<i>Campuloclinium macrocephalum</i> (Less.) DC. (= <i>Eupatorium macrocephalum</i> Less.)		Onkruid / Weed	1	
<i>Cannabis sativa</i> L.	Slegs hemp, nie dagga nie / Hemp only, not dagga	Indringer./ Invader	2	Beheerde aanplanting/ Controlled cultivation
<i>Cardaria draba</i> (L.) Desv.	Peperbos / Pepper-cress, Hoary cardaria, White top	Onkruid / Weed	1	
<i>Cardiospermum grandiflorum</i> Swartz	Blaasklimop / Balloon vine	Onkruid / Weed	1	
<i>Casuarina cunninghamiana</i> Miq.	Kasuarisboom / Beefwood	Indringer / Invader	2	Slegs vir gebruik as windbrekers en nie vir duin stabilisasie nie/ Only for use as windbreakers, not for dune stabilisation
<i>Casuarina equisetifolia</i> L.	Perdestertboom / Horsetail tree	Indringer / Invader	2	Slegs vir gebruik as windbrekers en nie vir duin stabilisasie nie / Only for use as windbreakers not for dune

				stabilisation
<i>Cereus jamacaru</i> DC. (<i>C. peruvianus</i> misapplied in S.A)	Nagblom / Queen of the Night	Onkruid / Weed	1	
<i>Cestrum aurantiacum</i> Lindl.	Oranjesestrum / Yellow or Orange cestrum	Onkruid / Weed	1	
<i>Cestrum laevigatum</i> Schlecht.	Inkbessie / Inkberry	Onkruid / Weed	1	
<i>Cestrum parqui</i> L'Hérit	Inkbessie / Chilean cestrum	Onkruid / Weed	1	
<i>Chromolaena odorata</i> (L.) R.M. King & H. Robinson (= <i>Eupatorium odoratum</i> L.)	Paraffienbos, Chromolaena / Triffid weed, Chromolaena	Onkruid / Weed	1	
<i>Cirsium vulgare</i> (Savi) Ten. (= <i>C. lanceolatum</i> Scop.)	Skotse dissel, Speerdissel / Scotch thistle, Spear thistle	Onkruid / Weed	1	
<i>Convolvulus arvensis</i> L.	Akkerwinde, Klimop / Field bindweed, Wild morning-glory	Onkruid / Weed	1	
<i>Cortaderia jubata</i> (Lem.) Stapf	Pampasgras / Pampas grass	Onkruid / Weed	1	
<i>Cortaderia selloana</i> (Schult.) Aschers. & Graebn.	Pampasgras, Silwergras / Pampas grass	Onkruid / Weed	1	
<i>Cotoneaster franchetii</i> Bois.	Dwergmispel / Cotoneasters	Indringer / Invader	3	
<i>Cotoneaster pannosus</i> Franch.	Silwerdwergmispel / Silver-leaf cotoneaster	Indringer / Invader	3	
<i>Cuscuta campestris</i> Yunck.	Gewone dodder / Common dodder	Onkruid / Weed	1	
<i>Cuscuta suaveolens</i> Ser.	Lusedodder / Lucerne dodder	Onkruid / Weed	1	
<i>Cytisus monspessulanus</i> L. (= <i>C. candicans</i> (L.)DC., <i>Genista monspessulana</i> (L.) L. Johnson)	Montpellier broom	Onkruid / Weed	1	
<i>Datura ferox</i> L.	Grootstinkblaar / Large thorn apple	Onkruid / Weed	1	
<i>Datura innoxia</i> Mill.	Harige stinkblaar / Downy thorn apple	Onkruid / Weed	1	
<i>Datura stramonium</i> L.	Gewone stinkblaar / Common thorn apple	Onkruid / Weed	1	
<i>Echinopsis spachiana</i> (Lem.) Fiedr. & Rowley {= <i>Trichocereus spachianus</i> (Lem.) Riccob.}	Orrelkactus / Torch cactus	Onkruid / Weed	1	
<i>Echium plantagineum</i> L. (= <i>E. lycopsis</i> L.)	Pers echium / Patterson's curse	Onkruid / Weed	1	
<i>Echium vulgare</i> L.	Blou – echium / Blue echium	Onkruid / Weed	1	
<i>Egeria densa</i> Planch. (= <i>Elodea densa</i> (Planch.) Casp.	Waterpes / Ditch moss, Water thyme	Onkruid / Weed	1	
<i>Eichhornia crassipes</i> (Mart.) Solms-Laub.	Waterhiasint / Water Hyacinth	Onkruid / Weed	1	
<i>Elodea canadensis</i> Michaux	Canadian water weed	Onkruid / Weed	1	
<i>Eucalyptus camaldulensis</i> Dehnh.	Rooibloekom / Red river gum	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Eucalyptus cladocalyx</i> F. Muell.	Suikerbloekom / Sugar gum	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Eucalyptus grandis</i> Hill ex Maid (<i>E. saligna</i> Sm. (p.p.))	Salignabloekom / Saligna gum, Rose gum	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Eucalyptus lehmannii</i> (Schauer) Benth.	Spinnekopbloekom / Spider gum	Indringer / Invader	3	
<i>Eucalyptus paniculata</i> Sm.	Gryssysterbasbloekom / Grey ironbark	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Eucalyptus sideroxylon</i> A. Cunn. ex Woolls	Swartvsterbasbloekom / Black	Indringer /	2	Kyk / See subreg. 15.C(7)(c)

	ironbark, Red ronbark	Invader		
<i>Gleditsia triacanthos</i> L.	Amerikaanse driedoring, Soetpeulboom / Honey locust, Sweet locust	Indringer / Invader	2	
<i>Hakea drupacea</i> (Gaertn.f) Roemer & Schultes (=H. <i>suaveolens</i> R. Br.)	Soethakea / Sweet hakea	Onkruid / Weed	1	
<i>Hakea gibbosa</i> (Sm.) Cav.	Harige hakea / Rock hakea	Onkruid / Weed	1	
<i>Hakea sericea</i> Schrad.	Syerige hakea / Silky hakea	Onkruid / Weed	1	
<i>Harrisia martinii</i> (Lab.) Britton	Toukaktus, Harrisia kaktus / Moon cactus, Harrisia cactus	Onkruid / Weed	1	
<i>Hypericum perforatum</i> L.	Johanneskruid / St. John's wort, Tipton weed	Indringer / Invader	2	Beheerde aanplanting/ Controlled cultivation
<i>Ipomoea indica</i> (Burm.f.) Merr. (=I. <i>Congesta</i> R. Br.)	Purperwinde / Morning glory	Indringer / Invader	3	
<i>Ipomoea purpurea</i> (L.) Roth	Purperwinde / Morning glory	Indringer / Invader	3	?
<i>Jacaranda mimosifolia</i> D. Don	Jakaranda / Jacaranda	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Lantana camara</i> L. en enige entiteit wat deels of geheel ontstaan het uit die <i>Lantana camara</i> kompleks deur verbastering of seleksie op natuurlike of kunsmatige wyse / and any entity which has partly or wholly been derived from the <i>Lantana camara</i> complex by means of hybridisation or selection under natural or artificial conditions	Lantana / Lantana, Tickberry	Onkruid / Weed	1	
<i>Leptospermum laevigatum</i> (Gaertn.) F. Muell.	Australiese mirt / Australian myrtle	Onkruid / Weed	1	
<i>Leucaena leucocephala</i> (Lam.) De Wit	Reuse wattel / Leucaena	Indringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Ligustrum japonicum</i> Thunb.	Japanese liguster / Japanese wax – leaved privet	Indringer / Invader	3	
<i>Ligustrum lucidum</i> Ait.	Chinese liguster / Chinese wax – leaved privet	Indringer / Invader	3	
<i>Ligustrum ovalifolium</i> Hassk.	Kaliforniese liguster / Californian privet	Indringer / Invader	3	
<i>Ligustrum sinense</i> Lour.	Chinese liguster / Chinese privet	Indringer / Invader	3	
<i>Ligustrum vulgare</i> L.	Gewone liguster / Common privet	Indringer / Invader	3	
<i>Litsea glutinosa</i> (Lour.) C.B. Robinson (=L. <i>sebifera</i> Pers.)	Indiese lourier / Indian laurel	Onkruid / Weed	1	
<i>Lythrum salicaria</i> L.	Purple loosestrife	Onkruid / Weed	1	
<i>Macfadyena unguis-cati</i> (L.) A. Gentry	Katteklouranker / Cat's claw creeper	Onkruid / Weed	1	
<i>Melia azedarach</i> L.	Maksering, Bessieboom / "Syringa", Persian lilac	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Metrosideros excelsa</i> Soland. Ex. Gaertn. (=M. <i>tomentosa</i> A. Rich.)	Nieu-Seelandse perdestert / New Zealand bottle brush	Indringer / Invader	3	
<i>Mimosa pigra</i> L.	Giant sensitive plant	Onkruid / Weed	1	
<i>Morus alba</i> L.	Witmoerbe, Gewone moerbe / White mulberry, Common mulberry	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Myoporum tenuifolium</i> Forst. F. (M. <i>acuminatum</i> misapplied in S.A.)	Manatoka	Indringer / Invader	2	

<i>Myriophyllum aquaticum</i> (Vell.) Verdc.	Waterduisendblaar / Parrot's feather	Onkruid / Weed	1	
<i>Myriophyllum spicatum</i> L.	Spiked water-milfoil	Onkruid / Weed	1	
<i>Nassella tenuissima</i> (Trin.) Barkworth (= <i>Stipa tenuissima</i> Trin.)	Witpolgras / White tussock	Onkruid / Weed	1	
<i>Nassella trichotoma</i> (Nees) Hack. ex Arech. (= <i>Stipa trichotoma</i> Nees)	Nassella polgras / Nassella tussock	Onkruid / Weed	1	
<i>Nerium oleander</i> L.	Selonsroos / Oleander	Onkruid / Weed	1	Steriele kultivars uitgesluit / Excluding sterile, double- flowered cultivars
<i>Nicotiana glauca</i> R.C. Grah.	Wildetabak / Wild tobacco	Onkruid / Weed	1	
<i>Opuntia aurantiaca</i> Lindl.	Litjieskaktus / Jointed cactus	Onkruid / Weed	1	
<i>Opuntia exaltata</i> Berger	Langdoringkaktus / Long spine cactus	Onkruid / Weed	1	
<i>Opuntia ficus-indica</i> (L.) Mill.	Boereturksvy, Grootdoringturksvy / Mission prickly pear, Sweet prickly pear	Onkruid / Weed	1	Uitgesonderd alle doringlose cultivars en seleksies / Excluding all spineless cultivars and selections
<i>Opuntia humifusa</i> (Raf.) Raf. (= <i>O. compressa</i> (Salisb.) (Macbride)	Large flowered prickly pear, Creeping prickly pear	Onkruid / Weed	1	
<i>Opuntia imbricata</i> (Haw.) DC. {= <i>Cylindropuntia imbricata</i> (Haw.) Knuth}	Imbrikkaktus, Kabelturksvy / Imbricate cactus, Imbricate prickly pear	Onkruid / Weed	1	
<i>Opuntia lindheimeri</i> Engelm.	Klein rondeblaarturksvy / Small round-leaved prickly pear	Onkruid / Weed	1	
<i>Opuntia monacantha</i> Haw. (= <i>O. vulgaris</i> Mill.)	Suurturksvy, Luisiesturksvy / Cochineal prickly pear, Drooping prickly pear	Onkruid / Weed	1	
<i>Opuntia rosea</i> DC.	Roseakaktus / Rosea cactus	Onkruid / Weed	1	
<i>Opuntia spinulifera</i> Salm-Dyck	Blouturksvy, Groot rondeblaar turksvy / Saucepan cactus, Large roundleaved prickly pear	Onkruid / Weed	1	
<i>Opuntia stricta</i> (Haw.) Haw.	Suurturksvy / Pest pear of Australia	Onkruid / Weed	1	

Soort plant / Kind of plant		Tipe / Type	Kategorie / Category	Spesiale voorwaardes / Special conditions
<i>Botaniese naam / Botanical name</i>	<i>Gewone naam / Common name</i>			
Kolom 1 / Column 1		Kolom 2 / Column 2	Kolom 3 / Column 3	Kolom 4 / Column 4
<i>Orobanche minor</i> Sutton	Klawerbesemraap, Bremraap / Lesser broomrape, Clover broomrape	Onkruid / Weed	1	
<i>Paraserianthes lophantha</i> (Willd.) Nielsen (= <i>Albizia lophantha</i> (Willd.) Benth.)	Australiese Albizia, stinkboon / Australian Albizia, Stink bean	Onkruid / Weed	1	
<i>Parthenium hysterophorus</i> L.	Parthenium	Onkruid / Weed	1	
<i>Passiflora coerulea</i> L.	Siergrenadella / Blue passion flower	Onkruid / Weed	1	
<i>Passiflora edulis</i> Sims	Grenadella / Purple granadilla, Passion fruit	Indringer / Invader	2	
<i>Pennisetum setaceum</i> (Forssk.) Chiov.	Pronkgras / Fountain grass	Onkruid /	1	

		Weed		
<i>Pennisetum villosum</i> R. Br. ex Fresen.	Veergras / Feathertop	Onkruid / Weed	1	
<i>Pereskia aculeata</i> Mill.	Pereskia /Barbados gooseberry	Onkruid / Weed	1	
<i>Pinus elliotti</i> Engelm.	Basden / Slash pine	Inringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Pinus halepensis</i> Mill.	Aleppoden / Aleppo pine	Inringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Pinus patula</i> Schlechtd. & Cham.	Treurden / Patula pine	Inringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Pinus pinaster</i> Ait.	Trosden / Cluster pine	Inringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Pinus radiata</i> D.Don	Radiataden / Radiata pine	Inringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Pinus taeda</i> L.	Loblollyden / Loblolly pine	Inringer / Invader	2	Kyk / See subreg. 15.C(7)(c)
<i>Pistia stratiotes</i> L.	Waterslaai / Water lettuce	Onkruid / Weed	1	
<i>Pittosporum undulatum</i> Vent.	Australiese kasuur, Soet Pittosporum / Australian cheesewood, Sweet pittosporum	Onkruid / Weed	1	
<i>Pontederia cordata</i> L.	Pickerel weed	Inringer / Invader	3	Kategorie 1 in landelike gebiede / Category 1 in non-urban areas
<i>Populus alba</i> L.	Witpopulier / White poplar	Inringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Populus deltoides</i> Bart. ex. Marsh	Vuurhoutjiepopulier / Match poplar	Inringer / Invader	2	
<i>Populus x canescens</i> (Ait.) J. E. Sm.	Vaalpopulier / Grey poplar	Inringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Prosopis glandulosa</i> Torr. var <i>torreyana</i> (Benson) Johnston and hybrids / en hibriedes	Heuningprosopis / Honey mesquite	Inringer / Invader	2	
<i>Prosopis velutina</i> Wootton and hybrids / en hibriedes	Fluweelprosopis / Velvet mesquite	Inringer / Invader	2	
<i>Psidium guajava</i> L. and hybrids / en hibriedes	Koejawel / Guava	Inringer / Invader	2	
<i>Psidium guineense</i> Swartz	Brasiliaanse koejawel / Brazilian guava	Inringer / Invader	3	
<i>Psidium littorale</i> Raddi var <i>longipes</i> (O. Berg) Fosb. (= <i>P. cattleianum</i> Sab.)	Aarbeikoejawel / Strawberry guava	Inringer / Invader	3	
<i>Pueraria lobata</i> (Willd.) Ohwi	Kudzuranker / Kudzu vine	Onkruid / Weed	1	
<i>Pyracantha angustifolia</i> (Franch.) C.K. Schneid.	Geelbranddoring / Yellow firethorn	Inringer / Invader	3	
<i>Pyracantha crenulata</i> (D. Don) M.J. Roem.	Rooivurdoring / Himalayan firethorn	Inringer / Invader	3	
<i>Ricinus communis</i> L.	Kasterolieboom / Castor-oil plant	Inringer / Invader	2	
<i>Robinia pseudoacacia</i> L.	Witakasia / Black locust	Inringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Rorinna nasturtium – aquaticum</i> (L.) Havek	Bronkors / Watercress	Inringer /	3	

(= <i>Nasturtium officinale</i> R. Br.)		Invader		
<i>Rosa rubiginosa</i> L. (= <i>R. eglantheria</i> L.)	Wilderoos / Eglantine, Sweetbriar	Indringer / Invader	3	
<i>Rubus cuneifolius</i> Pursh. and hybrid <i>R x proteus</i> C.H. Stirton	Amerikaanse braam, / American bramble	Onkruid / Weed	1	
<i>Rubus fruticosus</i> L. agg.	Braam / European blackberry	Indringer / Invader	2	
<i>Salix babylonica</i> L.	Treurwilger /Weeping willow	Indringer / Invader	3	
<i>Salix fragilis</i> L.	Crack or brittle willow	Onkruid / Weed	1	
<i>Salvinia molesta</i> D. S. Mitchell and other species of the Family Salviniaceae	Watervaring / Kariba weed	Onkruid / Weed	1	
<i>Schinus terebinthifolius</i> Raddi	Brasiliaanse peperboom / Brazilian pepper tree	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Sesbania punicea</i> (Cav.) Benth.	Rooi sesbania / Red sesbania	Onkruid / Weed	1	
<i>Solanum elaeagnifolium</i> Cav.	Satansbos / Silver-leaf bitter apple	Onkruid / Weed	1	
<i>Solanum mauritianum</i> Scop.	Luisboom / Bugweed	Onkruid / Weed	1	
<i>Solanum seforthianum</i> Andr.	Aartappelranker / Potato creeper	Onkruid / Weed	1	
<i>Solanum sisymbriifolium</i> Lam.	Wildetamatie, Doringtamatie / Wild tomato, Dense-thorned bitter apple	Onkruid / Weed	1	
<i>Spartium junceum</i> L.	Spaanse besem / Spanish broom	Onkruid / Weed	1	
<i>Tamarix ramosissima</i> Ledeb.	Perstamarisk / Pink tamarisk	Indringer / Invader	3	
<i>Tamarix chinensis</i> Lour.	Chinese tamarisk / Chinese tamarisk	Indringer / Invader	3	
<i>Tecoma stans</i> (L.) H.B.K.	Geelklokkies / Yellow bells	Onkruid / Weed	1	
<i>Tipuana tipa</i> (Benth.) Kuntze	Tipoeboom / Tipu tree	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Tithonia diversifolia</i> (Hemsl.) A. Gray	Mexikaanse sonneblom / Mexican sunflower	Onkruid / Weed	1	
<i>Tithonia rotundifolia</i> (Mill.) S.F. Blake	Rooisonneblom / Red sunflower	Onkruid / Weed	1	
<i>Toona ciliata</i> M.J. Roem. (= <i>Cedrela toona</i> Roxb. ex Rottl. & Willd.)	Toonboom / Toon tree	Indringer / Invader	3	Kyk / See subreg. 15.C(7)(c)
<i>Ulex europaeus</i> L.	Gaspeldoring / European gorse	Onkruid / Weed	1	
<i>Xanthium spinosum</i> L.	Boetebos / Spiny cocklebur	Onkruid / Weed	1	
<i>Xanthium strumarium</i> L.	Kankerroos / Large cocklebur	Onkruid / Weed	1	

TABEL 4/TABLE 4 VERKLAARDE INDIKATORS VAN BOSVERDIGTING/ DECLARED INDICATORS OF BUSH ENCROACHMENT [REGULASIE/REGULATION 16.A]

Soort plant / Kind of plant		Gebied waar van toepassing / Application area
Botaniese naam / Botanical name	Gewone naam / Common name	

Kolom 1 / Column 1		Kolom 2 / Column 2
<i>Acacia caffra</i> (Thunb.) Willd.	Haakdoring, Wag-'n-bietjie / Common hookthorn	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noord-Wes / North-West
<i>Acacia erubescens</i> Welw. ex Oliv.	Blouhaak / Blue thorn	Mpumalanga, Gauteng, Oos, Noord en Wes Kaap / Eastern, Northern and Western Cape, Noord-Wes / North-West, Noordelike Provinsie / Northern Province
<i>Acacia fleckii</i> Schinz	Bladdoring, Geelhaak / Plate thorn	Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape
<i>Acacia hebeclada</i> DC. subsp. <i>hebeclada</i>	Trassiedoring, Trassiebos, Muisdoring / Mousebush, Candle thorn	Mpumalanga, Gauteng, Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape, Noordwes / North-West, Noordelike Provinsie / Northern Province, Vrystaat / Free State
<i>Acacia karoo</i> Hayne	Soetdoring, Pendoring / Sweet thorn, Karoo thorn	Republiek / Republic
<i>Acacia mellifera</i> (Vahl) Benth. subsp. <i>Detinens</i> (Burch.) Brenan	Swarthaak / Black thorn	Mpumalanga, Gauteng, Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape, Noordwes / North-West, Noordelike Provinsie / Northern Province
<i>Acacia nigrescens</i> Oliver	Knoppiesdoring / Knob-thorn	Mpumalanga, Noordelike Provinsie / Northern Province Noordwes / North-West
<i>Acacia nilotica</i> (L.) Willd. ex Del. subsp. <i>Kraussiana</i> (Benth.) Brenan	Lekkerruikpeul, Snuifpeul, Stinkpeul / Scented thorn, Redheart	Kwazulu-Natal, Mpumalanga, Gauteng, Noordwes / North-West, Noordelike Provinsie / Northern Province
<i>Acacia reficiens</i> Wawra subsp. <i>Reficiens</i>	Vals haak-en-steek, Geelhaak / False umbrella thorn	Mpumalanga, Gauteng, Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape, Noordwes / North-West, Noordelike Provinsie / Northern Province
<i>Acacia robusta</i> Burch. subsp. <i>Robusta</i>	Enkeldoring, Brosdoring / Splendid thorn	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Acacia senegal</i> (L.) Willd. Var. <i>rostrata</i> Brenan	Driehaakdoring, Drievingerdoring / Threehook thorn, Three-thorned Acacia	Kwazulu-Natal, Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape
<i>Acacia tenuispina</i> Verdoorn	Fyndoring	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Acacia tortilis</i> (Forsk.) Hayne subsp. <i>Heteracantha</i> (Burch.) Brenan	Haak-en-steek / Umbrella thorn, Curly pod Acacia	Kwazulu-Natal, Mpumalanga, Gauteng, Oos, Noord en Wes Kaap / Eastern, Northern and Western Cape, Noordelike Provinsie / Northern Province Noord-Wes / North-West
<i>Colophospermum mopane</i> (Kirk ex Benth.) Kirk ex J. Léonard	Mopanie / Mopane	Mpumalanga, Noordelike Provinsie / Northern Province Noordwes / North-West
<i>Combretum apiculatum</i> Sond. Subsp. <i>Apiculatum</i>	Rooibos / Red bush willow	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Commiphora pyracanthoides</i> Engl.	Gewone kanniedood, Kurkbos / Cork tree, Common corkwood	KwaZulu-Natal, Mpumalanga, Gauteng, Noord-Wes / North-West, Noordelike Provinsie / Northern Province
<i>Dichapetalum cynosum</i> (Hook.) Engl.	Gifblaar / Poison leaf	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Dichrostachys cinerea</i> (L.) Wight & Arn. subsp. <i>africana</i> Brenan & Brumm.	Sekelbos / Sickle bush	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province Noord-Wes / Noordwes, Wes-en Noord-Kaap / Western and Northern
<i>Grewia bicolor</i> Juss.	Basterrosyntjie (bos) / Bastard raisin bush	Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape
<i>Grewia flava</i> DC.	Fluweelrosyntjie, Wilderosyntjie (bos) / Wild raisin, Velvet raisin	KwaZulu-Natal, Mpumalanga, Gauteng, Noordwes / North-West, Noordelike Provinsie / Northern Province
<i>Grewia flavescens</i> Juss.	Skurwersyntjie (bos) / Rough leaved raisin Sanddaneer	Oos- Noord- en Wes-Kaap / Eastern Northern

	raisin	and Western Cape
<i>Leucosidea sericea</i> Eckl. & Zeyh.	Ouhout / Oldwood	Republiek / Republic
<i>Lopholaena coriifolia</i> (Sond.) Phill. & C.A. Sm	Pluisbossie / Lopholaena	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Maytenus senegalensis</i> (Lam.) Exell	Rooipendoring / Red spikethorn	KwaZulu-Natal
<i>Rhamnus prinoides</i> L'Herit.	Blinkblaar / Gloss leaf	Republiek / Republic
<i>Rhigozum trichotomum</i> Burch.	Wildegrenaat, Driedoring / Wild granate	Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape
<i>Rhus ciliata</i> Licht. ex Schult.	Suurkaree / Sour karree	Republiek / Republic
<i>Rhus glauca</i> Thunb.	Blinkblaar, Suurbessie	Republiek / Republic
<i>Rhus lancea</i> L.f.	Karee / Karree	Mpumalanga, Gauteng, Noordelike Provinsie / Northern Province, Noordwes / North-West
<i>Rhus lucida</i> L. forma <i>lucida</i>	Blinktaaibos, Besembos / Glossy taaibos	Republiek / Republic
<i>Rhus rehmanniana</i> Engl.	Suur taaibos / Sour taaibos	Republiek / Republic
<i>Tarchonanthus camphoratus</i> L.	Kanferbos, Vaalbos / Camphor bush, Sagewood	Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape
<i>Terminalia sericea</i> Burch. ex DC.	Sandvaalboom, Sandgeelhout / Silver cluster leaf, Transvaal silvertree, Silver Terminalia	KwaZulu-Natal, Mpumalanga, Gauteng, Oos-, Noord- en Wes-Kaap / Eastern, Northern and Western Cape, Noordelike Provinsie / Northern Province Noordwes / North-West