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Invasive Species Website:
invasives.co.za

SAPIA NEWS

SOUTHERN AFRICAN PLANT INVADERS ATLAS

Newsletter of the Southern African Plant Invaders Atlas, an initiative of the Weeds Research Division of Plant Protection Research, an institute within the Agricultural Research Council (ARC)

Twelve years and 50 issues of SAPIA News

Since October 2006 SAPIA News has covered a wide array of topics which include the following:

- Launch of the SAPIA phase two project
- Legislation—National Environmental Management: Biodiversity Act (NEM:BA) Alien and Invasive species regulations and species lists
- South African National Biodiversity Institute (SANBI)'s Invasive Species Programme
- Weeds and Invasive Plants (WIP) website and its demise
- Weed alerts and emerging invasive species
- Guides to identification
- Biological control of invasive species
- Management and clearing programmes
- Historical perspectives of invasion
- Status of biological invasions in South Africa
- SAPIA surveys and invasions in different regions of South Africa



SAPIA NEWS

SOUTHERN AFRICAN PLANT INVADERS ATLAS

October 2006

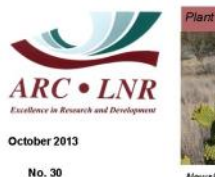
ARC-Plant Protection Research Institute

No. 1



Launch of SAPIA Phase II

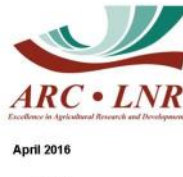
PLANT INVADERS—A THREAT TO OUR NATURAL RESOURCES



October 2013

No. 30

News
the Pk



April 2016

No. 40



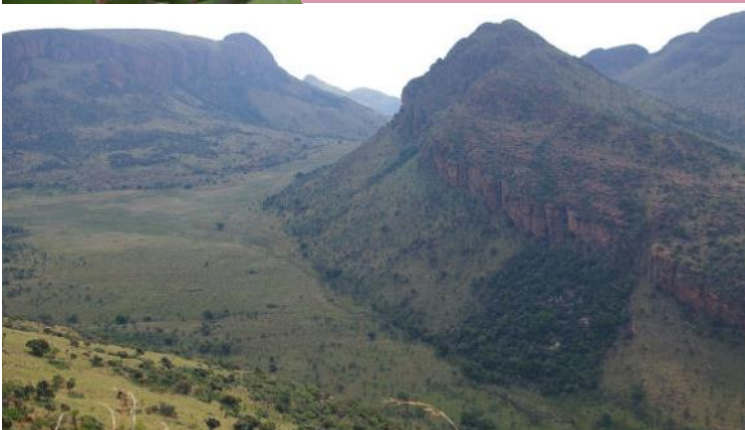
Newsletter of the Southern African Plant Invaders Atlas, an initiative of the Weeds Programme of Plant Protection Research, an institute within the Agricultural Research Council (ARC)



The environment: our rights and responsibilities

SAPIA News Nos. 30, 40 and 50 give summaries of contents and indexes of scientific and common names of species which featured in the various issues. Articles were received from 31 authors, with most contributions from SANBI.

Snippets from the 50 issues of SAPIA News



Emerging invaders: detection, assessment, management and control



Invasive aroids including silver vine, *Epipremnum aureum* (H. Sithole 23)



Yellow flag iris, *Iris pseudacorus*— STOP the spread (Thuli Jaca 40)



Velvet bur cactus, *Opuntia pubescens*, Pretoria National Botanical Garden (Dan'sile Cindi 32)



Clearing of Kudzu vine, *Pueraria montana* var. *lobata* (Bongani Mashele 36)



Blueberry ash, *Elaeocarpus angustifolius*, at Westfalia Estate (Moshobane et al, 46)



Clearing of kangaroo thorn, *Acacia paradoxa* (SANBI ISP WCape 33)



Cape Town's Early Detection, Rapid Response programme (Ulrike Irlsch 34)



Henry's St. John's wort, *Hypericum pseudohenryi* (Reshnee Lalla & Michael Cheek 42)

Established invaders: warnings



Fountain grass, *Pennisetum setaceum* (30, 41)
expanding rapidly as an invader



Nassella tussock, *Nassella trichotoma* (16, 48)
threatens agriculture and mountain grasslands



Small round-leaved prickly pear, *Opuntia engelmannii* (15, 35, 41)
threatens agriculture and biodiversity



Torch cactus, *Trichocereus spachianus*
(*Echinopsis schickendantzii* misapplied) (15, 35, 41, 47)
threatens the arid interior of South Africa



Rubber vine, *Cryptostegia grandiflora* (32)
toxic invader which smothers riverine vegetation



Honey locust, *Gleditsia triacanthos* (41)
threatens agriculture and water resources



Famine weed, *Parthenium hysterophorus* (41, 43)
threatens agriculture, human health and biodiversity



Morning-glory bush, *Ipomoea fistulosa* subsp. *carnea*
toxic invader of dams and rivers (34)

Guides to identification



Acacias, *Acacia* spp. (8)



Eucalypts, *Eucalyptus* spp. (12)



Aquatics, *Azolla*, *Eichhornia*, *Egeria*, *Myriophyllum*, *Nymphaea*, *Pistia*, *Salvinia* and other species (17)



Brambles, blackberries, *Rubus* spp. (19)



Inkberries, jessamines, *Cestrum* spp. and bitter-apples, nightshades, *Solanum* spp. (20)



Cacti, *Cereus*, *Cylindropuntia*, *Echinopsis/Trichocereus*, *Harrisia*, *Opuntia*, *Pereskia*, *Peniocereus*, *Tephrocactus* and others (25)



Mother-in-law's-tongue, *Sansevieria* spp. (37)



Melastomes, *Heterocentron*, *Melastoma* and *Tibouchina* spp. (Richard Boon 39)

Summary of contents: SAPIA News Nos. 41–50

SANBI'S Invasive Species Programme (EDRR) alerts:

- Clusia rosea* (pitch apple, autograph tree) Family Clusiaceae (authors: Reshnee Lalla & Michael Cheek) (42)
- Hypericum pseudohenryi* (Henry's St. John's wort) Family Clusiaceae (authors: Reshnee Lalla & Michael Cheek) (42)
- Paulownia tomentosa* (empress tree, princess tree) Family Scrophulariaceae (authors: Reshnee Lalla & Michael Cheek) (42)
- Red-flowering tea tree (*Melaleuca hypericifolia*) (authors: Nolwethu Jubase & Ernita van Wyk) (43)
- Beautiful, but invasive European gorse (*Ulex europaeus*) (author: Kanyisa Jama) (44)
- Chinese hollygrape (*Mahonia oiwakensis*): newly detected weed (author: Thulisile Jaca) (45)
- Coral cactus (Afr. wolkactus) (*Austrocylindropuntia vestita*): first record in the Eastern Cape, South Africa (author: Kanyisa Jama) (45)
- Blueberry ash (*Elaeocarpus angustifolius*): is it another water-guzzling invasive tree? (authors: Moleseng Claude Moshobane, Nyiko Mthembi & Mukundi Mukundamago) (46)
- Mexican sunflower (*Tithonia tubaeformis*): a new threat to food security in South Africa (authors: Bongani Mashele, Constance Mafuwane, Moleseng Claude Moshobane & David Simelane) (46)
- See it! Report it! Charm is deceitful. Behold a potential invader, red sage (*Salvia coccinea*) (authors: Moleseng Claude Moshobane & Nyiko Gift Mutileni) (47)
- Beyond the looks. Bear's breeches (*Acanthus polystachius*), a potential invader (authors: Mukundi Mukundamago, Samuel Adu-Acheampong, Moleseng Claude Moshobane & Daisy Ramantshwane) (47)
- Thank you for reporting alien species SANBI DBI (inland) appreciates your efforts (author: Moleseng Claude Moshobane) (48)

More alerts:

- More newly recorded species in the SAPIA database (45)
- Invasive torch cactus and look-alikes in South Africa (47)
- Kikuyu grass (*Pennisetum clandestinum*), teddy bear cactus (*Opuntia microdasys*), sword fern (*Nephrolepis cordifolia*), star wort/white wandering Jew (*Tradescantia fluminensis*), blue periwinkle (*Vinca major*) (48)

Regional invasions:

- Invasive aliens in the southern Cape (author: Priscilla Burgoyne) (43)

Special features:

- The uphill battle against invasive alien plants—looking back over the past 15 years; major invaders requiring urgent attention; major invaders with biological control in progress; biological control successes: reduced spread and contraction of range (41)
- Needle bush, *Vachellia farnesiana* (= *Acacia farnesiana*) naturalized in central KwaZulu-Natal (author: Richard Boon) (43)
- Naturalized alien flora of the world (45)
- Shocking *Nassella* invasion threatens South Africa's mountain grasslands (48)
- Nassella*: History and threats; current status; how to recognise and search for nassella tussock; PhD project (48)
- Invasive water lilies and look-alikes in South Africa (49)
- South Africa's grasslands under threat by the densification of an indigenous species: Bankrupt Bush (*Seriphium plumosum*) (authors: Dan'sile Cindi & Mpume Ntlokwana) (49)

Biological control:

- New Centre for Biological Control (CBC) at Rhodes University (46)
- Good news for the biological control of black wattle (*Acacia mearnsii*) (48)

General/editorial:

- From drought to famine (*Parthenium hysterophorus*) (43)
- Status of biological invasions in South Africa (44)
- Garden Route: invasive alien hotspot (45)
- Twelve years & 50 issues of SAPIA News; news snippets; emerging invaders; established invaders: warnings; guides to identification (50)

Index of scientific names

Numbers: SAPIA News in which the species is featured. **Red numbers** : description/map & photo. **Ind:** indigenous

<i>Acacia cyclops</i> 41, 43	<i>Eichhornia crassipes</i> 45	<i>Nassella trichotoma</i> 48	<i>Phalaris</i> 43
<i>Acacia farnesiana</i> 43	<i>Elaeocarpus angustifolius</i> 46	<i>Nephrolepis cordifolia</i> 43	<i>Poa</i> 43
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