

Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID-AFRIKA

Vol. 549

Pretoria, 25 March 2011
Maart

No. 34134

For purposes of reference, all Proclamations, Government Notices, General Notices and Board Notices published are included in the following table of contents which thus forms a weekly index. Let yourself be guided by the Gazette numbers in the righthand column:

CONTENTS

and weekly Index

| No. | | Page No. | Gazette No. |
|---|---|-------------|----------------|
| PROCLAMATION | | | |
| 27 | Public Holidays Act (36/1994): Declaration of the eighteenth of May as a public holiday throughout the Republic... | 2 | 34127 |
| GOVERNMENT AND GENERAL NOTICES | | | |
| Agriculture, Department of | | | |
| <i>Government Notice</i> | | | |
| 167 | Perishable Products Export Control Act (9/1983): Perishable Products Export Control Board: Imposition of levies on perishable products..... | 83 | 34134 |
| Agriculture, Forestry and Fisheries, Department of | | | |
| <i>Government Notice</i> | | | |
| R. 222 | Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (36/1947): Regulations: Fertilizers, farm feeds, agricultural remedies, stock remedies, sterilising plants and pest control operators, appeals and imports: Proposed amendment: Correction Notice | 4 | 34108 |
| <i>General Notice</i> | | | |
| 160 | Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (36/1947): Proposed regulations regarding fertilizers | 8 | 34134 |
| Arts and Culture, Department of | | | |
| <i>Government Notice</i> | | | |
| 241 | Heraldry Act (18/1962): Bureau of Heraldry: Registration of heraldic representations | 6 | 34134 |
| Health, Department of | | | |
| <i>Government Notices</i> | | | |
| R. 211 | Health Professions Act (56/1974): Health Professions Council of South Africa: Regulations relating to the registration of medical technicians in the category immunology | 3 | 34100 |
| R. 212 | Health Professions Act (56/1974): Health Professions Council of South Africa: Regulations: Defining the scope of the profession of oral hygiene | 3 | 34101 |
| R. 213 | Health Professions Act (56/1974): Health Professions Council of South Africa: Regulations: Registration of medical technicians in the category tuberculosis (bacterium) | 3 | 34102 |
| R. 214 | Health Professions Act (56/1974): Regulations: Defining the scope of the profession of dental assistants | 3 | 34103 |
| R. 215 | Health Professions Act (56/1974): Health Professions Council of South Africa: Regulations: Registration of medical technicians in the category virology | 3 | 34104 |
| Independent Communications Authority of South Africa | | | |
| <i>General Notices</i> | | | |
| 154 | Consumer Protection Act (68/2008): ICASA notification on the exemption process as per the Act | 2 | 34123 |

Alle Proklamasies, Goewermentskennisgewings, Algemene Kennisgewings en Raadskennisgewings gepubliseer, word vir verwysingsdoeleindes in die volgende Inhoudsopgawe ingesluit wat dus 'n weeklikse indeks voorstel. Laat uself deur die Koerantnommers in die regterhandse kolom lei:

INHOUD

en weeklikse Indeks

| No. | | Bladsy No. | Koerant No. |
|---|---|---------------|----------------|
| PROKLAMASIE | | | |
| 27 | Public Holidays Act (36/1994): Declaration of the eighteenth of May as a public holiday throughout the Republic... | 2 | 34127 |
| GOEWERMENTS- EN ALGEMENE KENNISGEWINGS | | | |
| Arbeid, Departement van | | | |
| <i>Goewermentskennisgewings</i> | | | |
| R. 223 | Labour Relations Act (66/1995): Cancellation of Government Notices: Bargaining Council for the Furniture Manufacturing Industry, KwaZulu-Natal: Main Collective Agreement | 5 | 34108 |
| R. 224 | do.: Bargaining Council for the Furniture Manufacturing Industry, KwaZulu-Natal: Extension to Non-parties of the Main Collective Agreement for the Metro Areas | 6 | 34108 |
| R. 234 | Basic Conditions of Employment Act (75/1997): Amendment of Sectoral Determination 5: Learnership Sector, South Africa | 3 | 34125 |
| R. 235 | Basic Conditions of Employment Act (75/1997): Amendment of Sectoral Determination 12: Forestry Sector, South Africa | 3 | 34126 |
| <i>Algemene Kennisgewings</i> | | | |
| 161 | Labour Relations Act, 1995: Registration of a trade union: South African Amalgamated and Integrated Workers Union (SAA&IWU) | 76 | 34134 |
| 162 | do.: Intention of cancellation of registration of a trade union: South African Domestic Service & Allied Workers Union (SADSAWU) | 77 | 34134 |
| 163 | do.: Notice of intention to cancel the registration of an employers' organisation: Beauty Health and Skincare Employers' Organisation (BHSEA) | 78 | 34134 |
| Gesondheid, Departement van | | | |
| <i>Goewermentskennisgewings</i> | | | |
| R. 211 | Wet op Gesondheidsberoep (56/1974): Raad vir Gesondheidsberoep van Suid-Afrika: Regulasies betreffende die registrasie van mediese tegnisi in die kategorie immunologie | 5 | 34100 |
| R. 212 | Wet op Gesondheidsberoep (56/1974): Raad vir Gesondheidsberoep van Suid-Afrika: Regulasies: Omvang van die beroep mondhigiene omskryf | 8 | 34101 |
| R. 213 | Wet op Gesondheidsberoep (56/1974): Raad vir Gesondheidsberoep van Suid-Afrika: Regulasies: Registrasie van mediese tegnisi in die kategorie tuberkulose (bakterie) | 5 | 34102 |
| R. 214 | Wet op Gesondheidsberoep (56/1974): Regulasies: Omvang van die beroep tandheelkundige assistent omskryf | 6 | 34103 |
| R. 215 | Wet op Gesondheidsberoep (56/1974): Raad vir Gesondheidsberoep van Suid-Afrika: Regulasies: Registrasie van mediese tegnisi in die kategorie virologie | 5 | 34104 |

| No. | | Page No. | Gazette No. | No. | | Bladsy No. | Koerant No. |
|--|--|----------|-------------|---|---|------------|-------------|
| 155 | Postal Services Act (124/1998): Notice in respect of the Price Cap Regulations for Postal Services | 3 | 34129 | Handel en Nywerheid, Departement van | | | |
| 156 | Postal Services Act (124/1998): Notice in respect of the Accounting Separation Regulations for Reserved Postal Services | 3 | 34130 | Goewermentskennisgewings | | | |
| Independent Electoral Commission | | | | 221 | Consumer Protection Act (68/2008): Notice to defer the application of the Act to municipalities..... | 3 | 34116 |
| <i>General Notices</i> | | | | 236 | Lotteries Act (57/1997): Call for nominations of candidates to be appointed as members to the Arts, Culture and National Heritage Distributing Agency of the National Lotteries Board (NLB)..... | 3 | 34128 |
| 134 | Local Government: Municipal Electoral Act, 2000: 2011 Election Timetable..... | 3 | 34114 | 237 | do.: Call for nominations of candidates to be appointed as members to the Charities Distributing Agency of the National Lotteries Board (NLB) | 4 | 34128 |
| 153 | Electoral Commission Act (51/1996): Registration of political parties | 3 | 34122 | Justisie en Staatskundige Ontwikkeling, Departement van | | | |
| Justice and Constitutional Development, Department of | | | | Goewermentskennisgewing | | | |
| <i>Government Notice</i> | | | | 206 | Magistrates' Court Act (32/1944): Translation of Magistrates Court Rules into isiXhosa..... | 3 | 34091 |
| 206 | Magistrates' Court Act (32/1944): Translation of Magistrates Court Rules into isiXhosa..... | 3 | 34091 | UMthetho weNkundla ka Mantyi Nombolo (32/1944): Ukuguqulelwa esiXhoseni kweMithetho yeNkundla kaMantyi..... | | | |
| Labour, Department of | | | | Kuns en Kultuur, Departement van | | | |
| <i>Government Notices</i> | | | | Goewermentskennisgewing | | | |
| R. 223 | Labour Relations Act (66/1995): Cancellation of Government Notices: Bargaining Council for the Furniture Manufacturing Industry, KwaZulu-Natal: Main Collective Agreement | 5 | 34108 | 241 | Heraldiekwet (18/1962): Buro vir Heraldiek: Registrasie van heraldiese voorstellings | 7 | 34134 |
| R. 224 | do.: Bargaining Council for the Furniture Manufacturing Industry, KwaZulu-Natal: Extension to Non-parties of the Main Collective Agreement for the Metro Areas..... | 6 | 34108 | Landbou, Departement van | | | |
| R. 234 | Basic Conditions of Employment Act (75/1997): Amendment of Sectoral Determination 5: Learnership Sector, South Africa..... | 3 | 34125 | Goewermentskennisgewing | | | |
| R. 235 | Basic Conditions of Employment Act (75/1997): Amendment of Sectoral Determination 12: Forestry Sector, South Africa | 3 | 34126 | 167 | Perishable Products Export Control Act (9/1983): Perishable Products Export Control Board: Imposition of levies on perishable products..... | 83 | 34134 |
| <i>General Notices</i> | | | | Landbou, Bosbou en Visserye, Departement van | | | |
| 161 | Labour Relations Act, 1995: Registration of a trade union: South African Amalgamated and Integrated Workers Union (SAA&IWU)..... | 76 | 34134 | Goewermentskennisgewing | | | |
| 162 | do.: Intention of cancellation of registration of a trade union: South African Domestic Service & Allied Workers Union (SADSAWU) | 77 | 34134 | R. 222 | Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (36/1947): Regulations: Fertilizers, farm feeds, agricultural remedies, stock remedies, sterilising plants and pest control operators, appeals and imports: Proposed amendment: Correction Notice | 4 | 34108 |
| 163 | do.: Notice of intention to cancel the registration of an employers' organisation: Beauty Health and Skincare Employers' Organisation (BHSEA) | 78 | 34134 | Algemene Kennisgewing | | | |
| Mineral Resources, Department of | | | | 160 | Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (36/1947): Proposed regulations regarding fertilizers | 8 | 34134 |
| <i>Government Notice</i> | | | | Landelike Ontwikkeling en Grondhervorming, Departement van | | | |
| 220 | Mineral and Petroleum Resources Development Act (28/2002): Withdrawal of an exemption granted to African Exploration Mining and Finance Corporation (Pty) Ltd in terms of section 106 (1)..... | 2 | 34115 | Algemene Kennisgewings | | | |
| National Treasury | | | | 164 | Restitution of Land Rights Act (22/1994): Claim for restitution of land rights: Lot 7, Paul Street, Township of Newlands | 79 | 34134 |
| <i>Government Notices</i> | | | | 165 | do.: do.: Lot 12, Paul Street, Township of Newlands | 80 | 34134 |
| 218 | Public Finance Management Act (1/1999): Prescribing Standards of Generally Recognised Accounting Practice (GRAP)..... | 3 | 34112 | Maatskaplike Ontwikkeling, Departement van | | | |
| R. 219 | Income Tax Act (58/1962): Regulations .. | 3 | 34113 | Goewermentskennisgewing | | | |
| | | | | R. 232 | Social Assistance Act (13/2004): Amendment: Regulations: Application for and payment of social assistance and the requirements or conditions in respect of eligibility for social assistance | 3 | 34120 |

| No. | Page No. | Gazette No. | No. | Bladsy No. | Koerant No. |
|---|----------|-------------|---|------------|-------------|
| Rural Development and Land Reform, Department of | | | Minerale Hulpbronne, Departement van | | |
| <i>General Notices</i> | | | <i>Goewermentskennisgewing</i> | | |
| 164 | | | 220 | | |
| Restitution of Land Rights Act (22/1994): | | | Mineral and Petroleum Resources | | |
| Claim for restitution of land rights: Lot 7, | | | Development Act (28/2002): Withdrawal | | |
| Paul Street, Township of Newlands | 79 | 34134 | of an exemption granted to African | | |
| 165 | | | Exploration Mining and Finance | | |
| do.: do.: Lot 12, Paul Street, Township of | | | Corporation (Pty) Ltd in terms of section | | |
| Newlands | 80 | 34134 | 106 (1) | 2 | 34115 |
| Social Development, Department of | | | Nasionale Tesourie | | |
| <i>Government Notices</i> | | | <i>Goewermentskennisgewings</i> | | |
| R. 232 | | | 218 | | |
| Social Assistance Act (13/2004): Amend- | | | Public Finance Management Act | | |
| ment: Regulations: Application for and | | | (1/1999): Prescribing Standards of | | |
| payment of social assistance and the | | | Generally Recognised Accounting | | |
| requirements or conditions in respect of | | | Practice (GRAP) | 3 | 34112 |
| eligibility for social assistance | 3 | 34120 | R. 219 | | |
| South African Revenue Service | | | Income Tax Act (58/1962): Regulations .. | 3 | 34113 |
| <i>Government Notices</i> | | | Onafhanklike Kommunikasie-owerheid van Suid-Afrika | | |
| R. 185 | | | <i>Algemene Kennisgewings</i> | | |
| Customs and Excise Act, 1964: | | | 154 | | |
| Amendment of Rules (DAR/85) | 3 | 34077 | Consumer Protection Act (68/2008): | | |
| R. 186 | | | ICASA notification on the exemption | | |
| do.: Amendment of Rules (DAR/84) | 3 | 34078 | process as per the Act | 2 | 34123 |
| R. 207 | | | 155 | | |
| Customs and Excise Act (91/1964): | | | Postal Services Act (124/1998): Notice in | | |
| Amendment of Rules (No. DAR/86) | 3 | 34092 | respect of the Price Cap Regulations for | | |
| R. 208 | | | Postal Services | 3 | 34129 |
| do.: Amendment of Rules (DAR/87) | 62 | 34092 | 156 | | |
| R. 225 | | | Postal Services Act (124/1998): Notice in | | |
| Customs and Excise Act (91/1964): | | | respect of the Accounting Separation | | |
| Amendment of Schedule No. 1 (No. | | | Regulations for Reserved Postal | | |
| 1/1/1423) | 61 | 34108 | Services | 3 | 34130 |
| Trade and Industry, Department of | | | Onafhanklike Verkiesingskommissie | | |
| <i>Government Notices</i> | | | <i>Algemene Kennisgewings</i> | | |
| 221 | | | 134 | | |
| Consumer Protection Act (68/2008): | | | Local Government: Municipal Electoral | | |
| Notice to defer the application of the Act | | | Act, 2000: 2011 Election Timetable | 3 | 34114 |
| to municipalities | 3 | 34116 | 153 | | |
| 236 | | | Electoral Commission Act (51/1996): | | |
| Lotteries Act (57/1997): Call for nomina- | | | Registration of political parties | 3 | 34122 |
| tions of candidates to be appointed as | | | Suid-Afrikaanse Inkomstediens | | |
| members to the Arts, Culture and | | | <i>Goewermentskennisgewings</i> | | |
| National Heritage Distributing Agency of | | | R. 185 | | |
| the National Lotteries Board (NLB) | 3 | 34128 | Customs and Excise Act, 1964: | | |
| 237 | | | Amendment of Rules (DAR/85) | 3 | 34077 |
| do.: Call for nominations of candidates to | | | R. 186 | | |
| be appointed as members to the | | | do.: Amendment of Rules (DAR/84) | 3 | 34078 |
| Charities Distributing Agency of the | | | R. 207 | | |
| National Lotteries Board (NLB) | 4 | 34128 | Customs and Excise Act (91/1964): | | |
| Transport, Department of | | | Amendment of Rules (No. DAR/86) | 3 | 34092 |
| <i>Government Notice</i> | | | R. 208 | | |
| R. 216 | | | do.: Amendment of Rules (DAR/87) | 62 | 34092 |
| Civil Aviation Act (13/2009): Civil Aviation | | | R. 225 | | |
| Security Regulations, 2011 | 3 | 34105 | Doeane-en Aksynswet (91/1964): | | |
| <i>General Notices</i> | | | Wysiging van Bylae No. 1 (No. 1/1/1423) | 61 | 34108 |
| 135 | | | Vervoer, Departement van | | |
| National Road Traffic Act (93/1994): | | | <i>Goewermentskennisgewing</i> | | |
| Amendment: National Road Traffic | | | R. 216 | | |
| Regulations: For public comments | 2 | 34117 | Wet op Burgerlike Lugvaart (13/2009): | | |
| 152 | | | Burgerlike Lugvaart Sekuriteits- | | |
| Civil Aviation Act (13/2009): Civil Aviation | | | regulasies, 2011 | 10 | 34105 |
| Regulations, 2011: For public comments | | | <i>Algemene Kennisgewings</i> | | |
| 158 | | | 135 | | |
| Aviation Act (74/1962): South African | | | National Road Traffic Act (93/1994): | | |
| Civil Aviation Authority: Application for an | | | Amendment: National Road Traffic | | |
| aerodrome licence | 3 | 34124 | Regulations: For public comments | 2 | 34117 |
| 166 | | | 152 | | |
| Air Service Licensing Act (115/1990): | | | Civil Aviation Act (13/2009): Civil Aviation | | |
| Grant or amendment of domestic air ser- | | | Regulations, 2011: For public comments | | |
| vice licence | 82 | 34134 | 158 | | |
| BOARD NOTICE | | | Lugvaartwet (74/1962): Suid-Afrikaanse | | |
| 53 | | | Burgerlugvaartowerheid: Aansoek om 'n | | |
| Engineering Profession Act (46/2000): | | | vliegvelldisensie | 4 | 34124 |
| Engineering Council of South Africa: | | | 166 | | |
| Draft Rules: Procedure for the nomina- | | | Air Service Licensing Act (115/1990): | | |
| tion of Council Members | 3 | 34099 | Grant or amendment of domestic air ser- | | |
| | | | vice licence | 82 | 34134 |
| | | | RAADSKENNISGEWING | | |
| | | | 53 | | |
| | | | Engineering Profession Act (46/2000): | | |
| | | | Engineering Council of South Africa: | | |
| | | | Draft Rules: Procedure for the nomina- | | |
| | | | tion of Council Members | 3 | 34099 |

IMPORTANT ANNOUNCEMENT

Closing times *PRIOR TO PUBLIC HOLIDAYS* for GOVERNMENT NOTICES, GENERAL NOTICES, REGULATION NOTICES AND PROCLAMATIONS

2011

The closing time is 15:00 sharp on the following days:

- ▶ 17 March, Thursday, for the issue of Friday 25 March 2011
- ▶ 14 April, Thursday, for the issue of Thursday 21 April 2011
- ▶ 19 April, Tuesday, for the issue of Friday 29 April 2011
- ▶ 28 April, Thursday, for the issue of Friday 6 May 2011
- ▶ 9 June, Thursday, for the issue of Friday 17 June 2011
- ▶ 4 August, Thursday, for the issue of Friday 12 August 2011
- ▶ 8 December, Thursday, for the issue of Thursday 15 December 2011
- ▶ 14 December, Wednesday, for the issue of Friday 23 December 2011
- ▶ 20 December, Tuesday, for the issue of Friday 30 December 2011
- ▶ 28 December, Wednesday, for the issue of Friday 6 January 2012

Late notices will be published in the subsequent issue, if under special circumstances, a late notice is accepted, a double tariff will be charged

The copy for a SEPARATE Government Gazette must be handed in not later than three calendar weeks before date of publication

BELANGRIKE AANKONDIGING

Sluitingstye *VOOR VAKANSIEDAE* vir GOEWERMENTS-, ALGEMENE- & REGULASIE- KENNISGEWINGS ASOOK PROKLAMASIES

2011

Die sluitingstyd is stiptelik 15:00 op die volgende dae:

- ▶ 17 Maart, Donderdag, vir die uitgawe van Vrydag 25 Maart 2011
- ▶ 14 April, Donderdag, vir die uitgawe van Donderdag 21 April 2011
- ▶ 19 April, Dinsdag, vir die uitgawe van Vrydag 29 April 2011
- ▶ 28 April, Donderdag, vir die uitgawe van Vrydag 6 Mei 2011
- ▶ 9 Junie, Donderdag, vir die uitgawe van Vrydag 17 Junie 2011
- ▶ 4 Augustus, Donderdag, vir die uitgawe van Vrydag 12 Augustus 2011
- ▶ 8 Desember, Donderdag, vir die uitgawe van Donderdag 15 Desember 2011
- ▶ 14 Desember, Woensdag, vir die uitgawe van Vrydag 23 Desember 2011
- ▶ 20 Desember, Dinsdag, vir die uitgawe van Vrydag 30 Desember 2011
- ▶ 28 Desember, Woensdag, vir die uitgawe van Vrydag 6 Januarie 2012

Laat kennisgewings sal in die daaropvolgende uitgawe geplaas word. Indien 'n laat kennisgewing wel, onder spesiale omstandighede, aanvaar word, sal 'n dubbeltarief gehef word

Wanneer 'n APARTE Staatskoerant verlang word moet die kopie drie kalenderweke voor publikasie ingedien word

GOVERNMENT NOTICES GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF ARTS AND CULTURE DEPARTEMENT VAN KUNS EN KULTUUR

No. 241

25 March 2011

BUREAU OF HERALDRY

REGISTRATION OF HERALDIC REPRESENTATIONS

The Bureau of Heraldry hereby gives notice in terms of section 10 of the Heraldry Act, 1962 (Act No. 18 of 1962), that the following have been registered:

(H4/3/1/4115) The name of the South African Institute for the Family (SAIF), as published under Government Notice No. 33900 of 31 December 2010.

(H4/3/1/4116) The emblem of Eduplex Pre-Primary and High School, as published under Government Notice No. 33900 of 31 December 2010.

(H4/3/2/692) The arms of Joe Morolong Local Municipality, as published under Government Notice No. 33900 of 31 December 2010.

(H4/3/2/725) The flag of the Greater Tzaneen Municipality, as published under Government Notice No. 33900 of 31 December 2010.

(H4/3/3/10/23) The emblem of the South African Police Force: Diplomatic Policing, as published under Government Notice No. 333900 of 31 December 2010.

(H4/3/4/924) The arms of Andrew Guy Peake, as published under Government Notice No. 33384 of 23 July 2010.

(H4/3/4/934) The arms of Michael Genarro Watters, as published under Government Notice No. 33900 of 31 December 2010.

(H43/4/935) The arms of Alessandro Benati, as published under Government Notice No. 33900 of 31 December 2010.

BURO VIR HERALDIEK**REGISTRASIE VAN HERALDIESE VOORSTELLINGS**

Die Buro vir Heraldiek gee hierby ingevolge artikel 10 van die Heraldiekwet, 1962 (Wet No. 18 van 1962), kennis dat die volgende geregistreer is:

(H4/3/1/4115) Die naam van die South African Institute for the Family (SAIF), soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010 gepubliseer.

(H4/3/1/4116) Die kenteken van Eduplex Pre-Primêre en Hôër Skool, soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010 gepubliseer.

(H4/3/2/693) Die wapen van Joe Morolong Plaaslike Munisipaliteit, soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010 gepubliseer.

(H4/3/4/725) Die vlag van die Groter Tzaneen Munisipaliteit, soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010 gepubliseer.

H4/3/3/10/23) Die kenteken van Suid-Afrikaanse Polisie diens: Diplomatie Polisie ring soos by Goewermentskennisgewing No. 33384 No. 33900 van 31 Desember 2010 gepubliseer.

(H4/3/4/924) Die wapen van Andrew Guy Peake, soos by Goewermentskennisgewing No. 33384 van 23 Julie 2010 gepubliseer.

(H4/3/4/934) Die wapen van Michael Genaro Watters, soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010.

(H4/3/4/935) Die wapen van Alessandro Benati, soos by Goewermentskennisgewing No. 33900 van 31 Desember 2010.

GENERAL NOTICES ALGEMENE KENNISGEWINGS

NOTICE 160 OF 2011

FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947
(ACT No. 36 OF 1947)

PROPOSED REGULATIONS REGARDING FERTILIZERS

I, Tina Joemat-Pettersson do, under section 23 of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947), hereby -

- (a) make known that I intend to promulgate regulations in the schedule; and
- (b) invite interested persons to submit any objections to or representations concerning the proposed regulations in writing to the Registrar: Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies, Private Bag X 343, Pretoria, 0001, within four weeks from date of publication hereof.

SCHEDULE

TABLE OF CONTENT

PART I

GENERAL

| | |
|--|----|
| 1. Definition | 4 |
| 2. Registration | 8 |
| 3. Period of registration | 9 |
| 4. Renewal of registration | 9 |
| 5. Conditions for certain registrations and renewal of certain registrations | 9 |
| 6. Application for amendment of certain registrations and approved labels | 10 |
| 7 Return of registration certificate | 10 |
| 8. Containers of fertilizers | 10 |
| 9. Labelling of containers of fertilizers | 10 |
| 10 Supply of invoices | 12 |
| 11. Invoices for bulk fertilizer or custom fertilizer mixtures | 12 |
| 12 Advertisement | 12 |
| 13 Practices to be followed at manufacturing plants | 13 |
| 14 Requirements for manufacturing plants | 13 |
| 15 Records to be kept at manufacturing plants | 13 |
| 16 Taking of samples | 14 |
| 17. Analysis of samples | 14 |
| 18. Imports | 14 |
| 19. Ports of entry | 14 |
| 20. Submission of appeals | 14 |
| 21. Address for submission of appeals | 15 |
| 22. Offences | 15 |
| 23. Payment of fees | 15 |
| 24. Address for submission of items | 15 |
| 25 Repeal of regulations | 15 |

PART II

REQUIREMENTS FOR FERTILIZERS

| | |
|---|----|
| 26. Nitrogen fertilizers | 16 |
| 27. Phosphorus fertilizers | 16 |
| 28. Potassium fertilizers | 16 |
| 29. Fertilizers that largely contain calcium, magnesium and sulphur as plant nutrients | 16 |
| 30. Chemical compounded fertilizer or a fertilizer mixture that contains nitrogen, phosphorus or potassium fertilizer | 17 |
| 31. Liquid/ fluid fertilizers | 17 |
| 32. Micro-element fertilizers | 18 |
| 33. Micro-element mixtures | 18 |
| 34. Addition of macro-elements | 18 |
| 35. Compost | 18 |
| 36. Municipal compost | 19 |
| 37. Sewage sludge | 19 |
| 38. Mixture of municipal compost and sewage sludge | 19 |
| 39. Composted poultry manure, kraal manure and other manures | 20 |
| 40. Bat manure | 20 |
| 41. Guano, carcass, hoof, horn and bone meal | 20 |
| 42. Organic or enriched organic fertilizer mixtures | 20 |
| 43. Micro-elements in organic fertilizers and enriched organic fertilizer mixtures | 21 |
| 44. Liming materials | 22 |
| 45. Custom mixes | 22 |
| 46. Permissible deviations in components/ nutrients/ micro-elements contents | 23 |
| 47. Harmful elements | 23 |

PART III**ANNEXURES****ANNEXURE A:**

| | |
|--|----|
| APPLICATION FORM FOR REGISTRATION OR AMENDMENT OF REGISTRATION OF A FERTILIZER | 24 |
|--|----|

ANNEXURE B**FERTILIZER REQUIREMENTS TABLES**

| | |
|--|----|
| 1. Nitrogen fertilizers | 29 |
| 2. Phosphorus fertilizers | 33 |
| 3. Potassium fertilizers | 36 |
| 4. Solid fertilizers that contain mainly calcium, magnesium or sulphur | 38 |
| 5. Liquid Fertilizer mixtures containing two or more main plant nutrients | 40 |
| 6. Fertilizer mixtures containing two or more main plant nutrients | 42 |
| 7. Micro-nutrient compounds that only contain one element | 44 |
| 8. Micro-element mixtures: minimum content element in g/kg | 47 |
| 9. Fertilizer that contains both micro- as well as macro-elements: minimum content per micro element in g/kg | 48 |
| 10. Approved organic chelating agents | 49 |
| 11. Urban waste | 50 |
| 12. Maximum levels of potentially harmful elements permitted in fertilizer products | 51 |
| 13. Guano and other products derived from animal origin | 52 |
| 14. Enriched organic and organic fertilizers | 53 |
| 15. Requirements for agricultural lime material (oven dry basis) | 54 |
| 16. Permissible deviations in main and secondary elements in organic fertilizer mixtures | 55 |
| 17. Permissible deviations in main and secondary elements in chemically compounded fertilizers | 56 |
| 18. Permissible deviations in added micro-elements in fertilizer mixtures | 57 |
| 19. Fertilizers in containers | 58 |
| 20. Loose Fertilizers | 59 |
| 21. Liquid Fertilizers | 61 |

ANNEXURE C

| | |
|-------------------------|----|
| APPROVED PORTS OF ENTRY | 62 |
|-------------------------|----|

ANNEXURE D

| | |
|--|----|
| CERTIFICATE IN RESPECT OF TAKING SAMPLES BY ANALYSTS | 63 |
|--|----|

ANNEXURE E

| | |
|-------------------------|----|
| SAMPLING OF FERTILIZERS | 64 |
|-------------------------|----|

PART I: GENERAL**Definitions**

1. Words and phrases in these regulations shall have the meaning assigned hereto in the Act, and unless the context otherwise indicates -

"Act" means the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947);

"activity index (AI)" means the amount of cold water insoluble nitrogen (CWIN) which is soluble in hot water in a urea formaldehyde fertilizer and reflects the rate at which CWIN will become available;

"agricultural liming material" means substances of which the calcium and magnesium compounds have the ability to reduce soil acidity and contain no harmful elements;

"amorphous lime" means soft, porous liming materials originating mainly from secondary deposits (as opposed to crystalline, non-porous liming materials mainly of primary origin);

"analysis certificate" means a certificate issued by an accredited laboratory indicating the full chemical and/or physical composition for the particular fertilizer, as required by the Registrar;

"application fee" means monies that, in terms of these regulations, are payable for the registration of fertilizers and the annual renewal of such registrations and also include monies payable for the mixing and sale of prescription mixtures;

"blender" means a manufacturer or person who mixes registered fertilizers for sale or someone who mixes such fertilizers on prescription for someone. **"Mixer"** has the same meaning;

"bulk blending" means the mixing of **dry and liquid** fertilizers;

"bulk" means the packaging of a fertilizer other than in a sealed container;

"calcite" means calcium carbonate as it occurs in nature, with a maximum of 9 g/kg magnesium and a minimum of 380 g/kg calcium;

"calcium carbonate equivalent (CCE)" means the acid neutralizing ability of an agricultural liming material expressed as a percentage of the acid neutralising ability of pure calcium carbonate;

"calcium carbonate" means the carbonate of calcium that contains 400 g/kg calcium;

"calcium hydroxide" means the hydroxide of calcium that contains 530 g/kg calcium;

"calcium oxide" means the oxide of calcium that contains 700 g/kg calcium;

"chelate" means the product of a chemical reaction between a metal cation and a chelating agent in which the cation is in a normal oxidation state and is attached to the chelating agent through co-ordinate covalent bonds;

"chelating agent" means a molecule having two or more sites which donate electron pairs to a central metal cation and is large enough to form a five or six membered ring structure such as EDTA (ethylenediaminetetraacetic acid), NTA (nitrilo-triacetic acid) and IDS (iminodisuccinic acid);

"chemically compounded fertilizer" means a substance which, without it being mixed with another substance, contains one or more of the plant nutrient nitrogen (N), phosphorus (P) or potassium (K), provided that the total plant nutrient content of such fertilizer should be at least 1/3 of the nominal value of a similar pure fertilizer and that all macro-elements that it contains in registerable amounts may be registered;

"complex" means the product of a chemical reaction between a metal cation and a complexing agent, such as metal ions with polyphosphates, lignin sulphate and ammonia;

"complexing agent (sequestering agent)" means a molecule which reacts with a metal cation to form a product of sufficient stability that the cation does not undergo any of its typical reactions such as precipitation in basic solutions;

"composite sample" means the combined incremental samples taken from the same sampled portion;

"compost" means a stabilised, homogenous, fully decomposed substance of animal or plant origin to which no plant nutrients have been added and that is free of substances or elements that could be harmful to man, animal, plant or the environment;

"container" means the packaging in which a measured amount of a fertilizer is offered for sale;

"custom mix" means a mixture compiled on the written advice of a qualified person for a specific client and such mixture must be of registered materials mixed at the written request of an end user. Prescription mixture shall have the same meaning;

"dry matter basis" means, in the case of liming materials dried at 105°C to constant mass, provided that in the case of substances that react with carbon dioxide (CO₂) the atmosphere in the oven be replaced with an inert gas such as nitrogen (N₂);

"enrich" means the addition of registered inorganic fertilizers to registered organic fertilizers in order to raise the plant nutrient content of the organic fertilizer, provided that the total N, P and K must be a minimum of 100 g/kg and "enriched" has the same meaning;

"enriched organic fertilizer" means a mixture of registered organic fertilizer with registered inorganic fertilizer that contains a minimum of 330 g/kg organic fertilizer, excluding urea;

"fertilizer" means any substance which is intended or offered to be used for improving or maintaining the growth of plants or the productivity of the soil;

"fertilizer group" means the category under which a particular fertilizer falls. Fertilizers are categorised as follows:

Group 1 which is a fertilizer containing a total equal or greater than 100 g/kg of N, P or K or any combination thereof; or

Group 2 which is a fertilizer containing a total of less than 100 g/kg of N, P or K or any combination thereof or any other recognised plant nutrient(s) in acceptable amounts as indicated in Tables 1 – 9 and 13 – 15;

Group 3 which is a fertilizer containing natural or synthetic substance(s) or organism(s) that improve(s) or maintain(s) the physical, chemical or biological condition (fertility) of the soil; and "soil Improver" has the same meaning;

"fertilizer mixture" means a physical mixture of two or more chemically compounded fertilizers or organic fertilizers that contain one or more of the plant nutrients nitrogen (N), phosphorus (P) and potassium (K) as indicated in the tables (Annexure A);

"final samples" means a replicate representative part of the reduced sample or, where no intermediate reduction is required, the composite sample maybe regarded as identical sub-samples of the sampled portion;

"fulvic acid" means the organic substances of indefinite composition which remain in solution when an aqueous, alkaline extract of organic matter or soil is acidified;

"Guaranteed analysis" means the stated minimum and/or maximum nutrient value of a fertilizer;

"granules" means products formed by layering or conglomeration under controlled conditions to form almost spherical particles;

"guano" means the excrement of seabirds, as it occurs in nature;

"house and garden fertilizer" means a fertilizer manufactured, recommended, packaged and offered for sale for use on pot plants and in home gardens and not intended for agricultural use;

"**humates**" means salts of humic acids;

"**humic acid**" means a mixture of dark-coloured substances of indefinite composition extracted from soil with dilute alkali and precipitated by acidification to a pH of 1-2 as well as similar material in coal deposits and other organic matter;

"**invoice**" means an accompanying letter, delivery note or weighbridge ticket, receipt note or receipt;

"**label**" means any written, printed or graphic representation attached to a container of a fertilizer or produced on a container in any possible manner and which states the details required in terms of these regulations for the particular fertilizers and "**labelled**" has the same meaning;

"**low chlorine**" means a fertilizer mixture with the maximum chlorine content as prescribed in regulation 30(2);

"**macro-element**" means any of the elements nitrogen (N), phosphorus (P), potassium (K), calcium (Ca), magnesium (Mg), and sulphur (S);

"**macro-pellet**" means particle sizes that are noticeably larger than those of pellets;

"**magnesite**" means magnesium carbonate, as it occurs in nature, that contains a maximum of 10 g/kg calcium and a minimum of 275 g/kg magnesium;

"**magnesitic**" means magnesium carbonate that contains a minimum of 190 g/kg magnesium;

"**magnesium carbonate**" means the carbonate of magnesium that contains 280 g/kg magnesium and no calcium;

"**magnesium hydroxide**" means the hydroxide of magnesium that contains 410 g/kg magnesium and no calcium;

"**magnesium oxide**" means the oxide of magnesium that contains 600 g/kg magnesium and no calcium;

"**manufacture**" means make, compound, mix, formulate, process, package and label for purpose of sale and "manufacturing" or "manufacturing process" have a similar meaning;

"**micro-element**" means any of the elements iron (Fe), zinc (Zn), copper (Cu), molybdenum (Mo), manganese (Mn), boron (B);

"**micro-pellet**" means particle sizes that are noticeably smaller than those of pellets;

"**municipal compost**" means the disinfected and stabilised organic fertilizer manufactured by the controlled decomposition of sorted and milled urban waste including fermentable industrial and commercial waste;

"**municipal waste**" means any municipal compost that does not meet the requirements for compost given in these regulations: on the understanding that such waste must meet the minimum requirements for municipal waste as set out in the regulations for the registration of fertilizers;

"**manufacturer**" means an individual or undertaking that manufactures or mixes fertilizers;

"**organic fertilizer**" means a fertilizer manufactured from substances of animal or plant origin, or a mixture of such substances, and that is free of any substances that can be harmful to man, animal, plant or the environment containing at least 40 g/kg prescribed plant nutrients;

"**organic fertilizer mixture**" means a mixture of registered organic fertilizers;

"**pellet**" means elongated cylindrical particles formed from wet cylindrically extruded material, cut to the desired length and then dried. No more than 10% remain on a 4 mm sieve and no more than 10% pass through a 1 mm sieve: provided that 90% fall within the interval of 1 mm to 4 mm and provided that the sieve size on which 10% of the particles remain contains openings that are not more than three times larger than those of the sieve on which 95% of the particles remain; and "**macro granule**" has the same meaning;

"**pelleted**" means the manufacture of a fertilizer in pellet form;

"physical quality assurance" means a test carried out to evaluate the fineness of a liming material and the pellet size of chemically compounded fertilizers or mixtures;

"plant nutrient" means an essential macro- or micro-element present in a fertilizer;

"powder" means particle sizes that are noticeably smaller than those for micro-pellets;

"reduced samples" means a representative part of the composite sample obtained from the latter by a process of reduction, reduced to a suitable size for final division;

"registered name" means the name approved by the Registrar under which a fertilizer is registered and may be sold: provided that in the case of an organic fertilizer such name must reflect the main component of such fertilizer;

"sampled portion" means an identified and specified quantity of a material constituting a unit and having characteristics presumed to be uniform;

"sample splitter" means an apparatus designed to split a sample into two or more equal parts;

"scoop" means a sampling instrument with which samples of fertilizers occurring in bulk can be taken;

"sealed" means to close a container in such a visible manner with a mechanism that will break visibly the first time the container is opened;

"sewage sludge" means the disinfected and stabilised organic fertilizer manufactured from the treatment of raw sewage sludge;

"shell lime" means an agricultural liming material of which the calcium and magnesium carbonate originates exclusively from sea animals;

"sieve test" means a wet sieve analysis for liming materials;

"slags" mean a mixture of the silicates of calcium and magnesium obtained from the iron and steel industry that are capable of reducing soil acidity and that contain a minimum of 300 g/kg silicon oxide (SiO₂);

"slaked calcitic" means calcium hydroxide with a maximum of 43 g/kg magnesium and a minimum of 700 g/kg as hydroxide;

"slaked dolomitic" means the hydroxide of calcium and magnesium with a minimum of 40 g/kg magnesium and a minimum of 700 g/kg hydroxide;

"slaked magnesitic" means magnesium hydroxide with a maximum of 40 g/kg calcium and a minimum of 700 g/kg as hydroxide;

"slaked" means the hydroxides of calcium and magnesium or a mixture thereof that contains at least 800 g/kg hydroxide;

"slow release fertilizer" means a fertilizer containing a plant nutrient in a form which delays its availability for plant uptake and use after application, or which extends its availability to the plant significantly longer than a reference "rapidly available nutrient fertilizer" such as ammonium nitrate or urea, ammonium phosphate or potassium chloride and "controlled release fertilizer" has the same meaning;

"solution" means a homogenous liquid containing the plant nutrients in true solution;

"sterilisation installation" means an installation used for the sterilisation of substances derived from animals and destined for use as a fertilizer according to a process approved by the Registrar for this purpose;

"suspension" means a liquid in which undissolved substances may be present;

"tolerance" means the permitted deviation in the natural variation of the stated value of a fertilizer that occurs in manufacture, sampling and chemical analysis, where the deviation is expressed as a percentage of the stated value of the fertilizer;

"trademark" means a mark to which the holder of the registration has the right, either as owner or a registered user thereof, to distinguish his fertilizer from that of any other manufacturer but excludes the registered name of a fertilizer as intended in these regulations;

"total nutrients" means the total sum of the N-, P- and K-content of a fertilizer;

"unslaked calcitic" means calcium oxide with a maximum of 43 g/kg magnesium and a minimum of 700 g/kg as oxides;

"unslaked dolomitic" means the oxides of calcium and magnesium with a minimum of 43 g/kg magnesium and a minimum of 700 g/kg oxides;

"unslaked magnesitic" means magnesium oxide with a maximum of 43 g/kg calcium and a minimum of 700 g/kg as oxides; and

"unslaked" means the oxides of calcium and magnesium or mixtures thereof that contain a minimum of 800 g/kg oxides.

Registration

2. (1) An application in terms of section 3(1) of the Act for registration of a fertilizer, must be made on a form available from the Registrar for the purpose, or a clearly legible facsimile thereof on good quality A4 size paper of the same colour as the form supplied by the Registrar.

Such application must -

- (a) be made by a person residing in the Republic of South Africa or, in the case of a legal person that legal person shall have a registered office in the Republic;
- (b) signed by an approved person;
- (c) be accompanied by the prescribed application fee;
- (d) be accompanied by two copies of a typed version of the details relating to the particular fertilizer that will be marked on the container in which it will be sold, or will be attached to the label of such container;
- (e) be accompanied by guaranteed analysis from an independent ISO 17025 accredited laboratory or Agri Laboratory Association of Southern Africa (AgriLASA) affiliated laboratories for the product which was obtained in the current year of application for registration;
- (f) be accompanied by a certificate of analysis from an independent ISO 17025 accredited laboratory or AgriLASA affiliated laboratories indicating maximum levels of potentially harmful elements permitted in fertilizer products as prescribed in table 12; and in case of sludge be accompanied by a certificate of analysis for microbial contaminants as prescribe in regulation 39 (1) (d);
- (g) In the case of Group 3 fertilizers, be accompanied by experimental results conducted under controlled environmental conditions in order to determine the biological efficacy of the particular fertilizer when required; and
- (h) In the case of Group 3 fertilizers, be accompanied, when required by the Registrar, a risk assessment satisfying that the fertilizer has no adverse effect on animal health, human health or environment.

- 2 In the case where AgriLASA affiliated laboratories are used, such laboratories must be certified laboratory who participate in the fertilizer proficiency scheme and who had obtained at least a one star (*) (Z value $\leq \pm 2$) moving average for the previous year. The Registrar must be supplied with the monthly proficiency audits by AgriLASA. The Registrar must furthermore be given access to the confidential numbers of the participating laboratories in order to access the laboratory's compliancy.

Period of registration

3. (1) Subject to the provision of sections 4 and 4A of the Act, a fertilizer registration in terms of section 3 of the Act shall be valid for three years.

(2) In the event that a registration is granted after 1 October in a particular calendar year, such registration shall remain valid until 31 December of the following renewal cycle year.

Renewal of registration

4. (1) An application in terms of section 3(4)(a) of the Act for renewal of registration of a fertilizer, must be made on a form available from the Registrar for the purpose, or a clearly legible facsimile thereof on good quality A4 size paper of the same colour as the form supplied by the Registrar.

(2) Such an application must -

- (a) depending on the case, be made by the person to whom the applicable registration certificate has been issued;
- (b) be received no later than the date of lapsing intended in subregulation 3 below; on the proviso that should documentary proof be submitted of the timeous despatch of the application, such application shall be deemed to have been received on time;
- (c) be accompanied by the prescribed fee;
- (d) be accompanied by two copies of facsimiles of all labels used in connection with the sale of the fertilizer: provided that the Registrar may, depending on the circumstances, exempt the applicant from the provisions of this regulation; and
- (e) be accompanied by a guaranteed analysis from an independent ISO 17025 accredited laboratory or AgriLASA affiliated laboratories; and
- (f) be accompanied by a certificate of analysis from an independent ISO 17025 accredited laboratory indicating maximum levels of potentially harmful elements permitted in fertilizer products as prescribed in table 12; and in case of sludge be accompanied by a certificate of analysis for microbial contaminants as prescribe in regulation 38 (1) (d).

3 Where AgriLASA laboratories are used, the provisions of regulation 2 (2) must also be complied with.

(4) Apart from the determinations of subregulation 2(b) above, an application in terms of subregulation 4(1) received by the Registrar after 31 January of a particular year will not be considered and a new application must be made for the registration of the respective fertilizer in terms of regulation 2: Provided that the Registrar may grant exemption from submission of the application form as intended in subregulation 2(1).

(5) Anyone applying for renewal of a registration in terms of this regulation must submit a sworn statement that the information he supplies with such application for the particular fertilizer, or a label used in connection therewith, does not deviate in any respect from the comparable details that have already been registered or approved with respect to that fertilizer or label. Only the original of each application can be so declared or confirmed.

Conditions for certain registrations and renewal of certain registrations

5. A registration and the renewal of a registration of a fertilizer, in terms of section 3 of the Act, is granted on condition that during the period of registration or a renewal or registration -

- (a) the composition of the particular fertilizer does not deviate by more than the allowable deviations under which it was registered;
- (b) the details approved for use on a label or container for sale of the particular fertilizer may not be altered without the prior written approval of the Registrar; and
- (c) the particular registration may not be transferred in any manner or aspect to anyone else.

Application for amendment of certain registrations and approved labels

6. (1) Should anyone in whose favour a fertilizer is registered, contemplate any alteration to its registered composition or a change to the details approved for use on a label, he should apply to the Registrar in the manner intended in regulation 2.

(2) Such application should be accompanied by the applicable documentation, the current registration certificate and application fee stated in regulation 2(1) (c): Provided that the Registrar may waive the application fee should the particular change or alteration be in the public interest.

Return of registration certificate

7. A registration certificate that is returned in terms of Section 4A (3) of the Act, should reach the Registrar within 14 days of the day on which -

- (a) the person to whom the particular registration certificate has been issued is informed in writing in terms of Section 5 of the Act of the reason for cancellation of such registration; or
- (b) the registration of the fertilizer has lapsed in terms of Section 4A (2) of the Act.

Containers of fertilizers

8. (1) A fertilizer shall be sold:

- (a) in containers which are sound; and
- (b) subject to the provisions of the Trade Metrology Act, 1973 (Act No. 77 of 1973), in containers that have been sealed or closed in a manner allowed by the nature of the fertilizer and containers shall be labelled or marked in terms of the provisions of Regulation 9 below.

(2) Notwithstanding the provisions of subregulation (1), a fertilizer may be sold in a manner other than in containers if:

- (a) it is the same in all respects with the product that is sold in containers; and
- (b) the requirements of these regulations are met.

Labelling of containers

9. (1) No person may sell any fertilizer in a container without an approved label.

(2) A container of fertilizer shall not be labelled with any marks or signs other than the prescribed details in the labelling requirements, or in terms of a provision of any law, or / and which was approved by the Registrar.

(3) The following details relating to a fertilizer must be printed on a label affixed to a container of such a fertilizer or marked on such container and such details should appear in the following order:

- (a) The registered trade mark, if applicable, and the trade name under which such fertilizer has been registered;
- (b) The registered name of such fertilizer;

- (c) The registered plant nutrient present in such fertilizer, expressed in the form and manner intended in subregulation (4);
- (d) The registration number of such fertilizer together with a reference to the Act, expressed as "Reg Nr. Act No. 36 of 1947";
- (e) The mass in the case of a solid and the volume or mass in the case of a liquid of such fertilizer at the time of packaging thereof, notwithstanding the provisions of the Trade Metrology Act, 1973 (Act No. 77 of 1973); and
- (f) The name, address and contact details of the registration holder.

(4) The details referred to in subregulation 3 (c) above are those that, in terms of these regulations are required or approved to be indicated, and

- (a) the element symbol of the particular plant nutrient must be followed by the registered content of the plant nutrient expressed in g/kg for macronutrients and mg/kg for micronutrients, rounded off to the lower whole number;
- (b) should more than one plant nutrient require to be indicated, the details given in subregulation 4 (a) above should be given with respect to each such plant nutrient in the order required or approved;
- (c) besides the details in subregulation 3 (a) and (b), the details in regulations 26 to 47 should be given;
- (d) should the sum of the total plant nutrients be given, it should be given between brackets after the details indicated in subregulations 4 (a), (b) and (c). Such sum must be given as a percentage; and
- (e) in the case of a low chlorine mixture indicating the potassium carrier is optional.

(5) The details mentioned in subregulations (1) and (2) must be given on one label that is affixed to one side of the container of the particular fertilizer or given on one side of such container and such details shall be clearly legible symbols, letters and figures. Print size of 8 points is recommended where applicable.

(6) Instructions for use in respect of a fertilizer must appear on a label that is affixed to the container of such a fertilizer or if space on such label is limited on the back of the container or on a pamphlet placed in such container or accompanying the invoice as intended in regulation 10 provided that instructions for use are compulsory in the following cases:

- (a) if such a fertilizer has been registered to be applied by foliar application;
- (b) if such a fertilizer is also registered as an animal feed, agricultural product or animal product in terms of the Act;
- (c) if such a fertilizer is intended for use in hydroponics; and
- (d) if such a fertilizer is a home or garden fertilizer.
- (e) if in a container less than 20kg or 20 litres.

(7) The instructions for use in subregulation (6) or those that may be used optionally must be as approved by the Registrar.

(8) A container in which an imported fertilizer for sale in the Republic is packaged must, in addition to any details that the Registrar may approve, be marked or labelled with the details that a comparable fertilizer, manufactured in the Republic, would be required to have.

Supply of invoices

10. (1) Should a fertilizer with the exception of a prescription mixture be sold loose:
- (a) the invoice must contain the details required in Regulation 9;
 - (b) a sample of the fertilizer, excluding agricultural lime and organic fertilizers, shall be taken provided that such sample:
 - (i) is taken by a method described in Annexure E ; and
 - (ii) it is divided into two containers of at least 250 g or 250 cm³ that are sealed and labelled in such a manner that the fertilizer can easily be identified as that described in the invoice;
 - (c) one container of sample referred to in subparagraph 1 (b) (ii) must accompany the invoice and the other be retained by the seller for at least 6 months.
- (2) On delivery, an invoice must be handed over to the person to whom the fertilizer is delivered or his representative: provided that such a person acknowledges receipt of same in writing.

Invoices for bulk fertilizers or custom fertilizer mixtures

11. (1) The seller of a bulk fertilizer or a custom fertilizer mixture is to ensure that the invoice or delivery docket in relation to the fertilizer is: –
- (a) handed to the purchaser or person authorized by the purchaser; or
 - (b) left in a safe and conspicuous position, at the place of dealing; or
 - (c) posted to the purchaser.

(2) If the invoice or delivery docket is left in accordance with subregulation (1)(b), the seller is to post a copy of the invoice or delivery docket to the purchaser within 14 days of the delivery of the fertilizer.

Advertisements

12. (1) No advertisement shall be published, screened or broadcast without prior approval of the Registrar.
- (2) Advertisements shall conform to the approved registration as well as the standards of the Advertising Standards Authority of South Africa or any relevant legislation.
- (3) Specific scientific claims in an envisaged advertisement must be submitted for approval by the Registrar.
- (4) The advertisement shall have the following details:
- (a) An advertisement to be published in a newspaper, magazine, or other printed media:
 - (i) furnish the trade mark, if any, and the trade name of the fertilizer;
 - (ii) where it is applicable furnish the hazard statement;
 - (iii) indicate the name of plant nutrients which it contains;
 - (iv) contains the registration number of such fertilizer together with a reference to the Act, expressed as "Reg Nr. Act No. 36 of 1947"; and
 - (v) furnish the name and address of the registration holders.
 - (b) An advertisement to be screened or broadcasted shall at least have those details referred in sub-regulation (4) (a) (i) and (iv).
- (5) Any references in an advertisement to:
- (a) plant nutrients;

- (b) the instructions for use, claims, application; and
- (c) the registration, of the fertilizer in question;

shall correspond to those details on the approved label or be based on the data filed in support of the application for registration of the fertilizer being advertised.

- (6) No person may publish or distribute a false or misleading advertisement for a fertilizer.

Practices to be followed at manufacturing plants

13. (1) The practices relating to the running of an undertaking at a plant and relating to the manufacture, control, packaging, marking or labelling of a fertilizer for the purposes of sale thereof must be such that the composition and efficacy of the particular fertilizer meet the requirements in terms of which it was registered and that it possesses all the chemical, physical and other properties so registered.

- (2) Raw materials used for the manufacture of a fertilizer must be handled and stored such that:

- (a) they are protected against damage, pollution and deterioration; and
- (b) access can be reasonably gained to the different raw materials and fertilizers.

(3) Chemical and physical quality control must be carried out regularly on raw materials used for the manufacture of a fertilizer and of the fertilizer manufactured from such raw materials by the person in whose favour the fertilizer is registered or by an independent ISO 17025 accredited laboratory or AgriLASA affiliated laboratories.

(4) The person in charge of a plant and responsible for the manufacture, control, packaging, marking or labelling of a fertilizer or liming material must have sufficient knowledge of the practices to be followed in running the manufacturing plant at such a plant and of the provisions of the Act.

(5) Raw materials either stored loose or in containers and to be used in the manufacture of the fertilizer, must be clearly identifiable.

- (6) In the event that the fertilizer is not packed or labelled immediately after manufacture, its name shall be shown on the containers in which or the place at which it is stored.

Requirements for manufacturing plants

14. (1) The premises where a fertilizer is manufactured, controlled, packed, marked, labelled or stored for the purpose of sale shall be kept orderly and clean and shall be duly registered under the Occupational Health and Safety Act, Act No. 85 of 1993.

(2) The facilities and equipment which are available at an establishment shall be suitable for the purpose for which it is to be used to ensure that the composition of the fertilizer manufactured, controlled, packed, marked, stored or labelled there complies with the particulars registered in respect thereof, and that such fertilizer possesses the chemical, physical and other properties thus registered.

(3) The area within the facility which is used to carry out a specific function in connection with the manufacture, control, packaging, labelling or warehousing of a fertilizer shall be appropriate for the proper execution of the particular function.

Records to be kept at manufacturing plants

15. (1) The person managing the plant must keep complete records in respect of each fertilizer that is manufactured, controlled, packaged or labelled including but not limited to:

- (a) the results of quality control carried out in terms of regulation 13(3) of the raw materials used in the manufacture of the fertilizer and of such fertilizer; and
- (b) complaints that have been received relating to the composition of the fertilizer or to the chemical, physical or other properties thereof.

(2) The records kept in terms of subregulation 15(1) as well as the formulation of fertilizers manufactured at the plant, must be kept at such plant or other place approved by the Registrar, for at least two years after the date on which the particular fertilizer was manufactured.

Taking of samples

16. (1) Samples for the purpose of section 15 of the Act must only be taken by the Registrar or his delegate and any authorised person in terms of the Act and such sample must be taken in accordance with Annexure E.

Analysis of samples taken

17. (1) Analysis of a sample is to be carried out by an analyst appointed by the Minister.

(2) The abovementioned analysis must be done at an ISO 17025 accredited laboratory or by Agri-LASA affiliated laboratories.

Imports

18. No person shall import a fertilizer into the Republic unless such fertilizer is registered: Provided that the Registrar may permit, in writing, for purposes of experimentation or for some purpose other than the sale of such fertilizer, the importation into the Republic of a specified quantity of a fertilizer which is not registered.

Ports of entry

19. A fertilizer must be imported only through the ports of entry referred to in Annexure C.

Appeals

Submission of appeals

20. (1) An appeal in terms of section 6 of the Act must be lodged within 60 days after the date on which the reasons on which the appeal is based have been furnished in terms of section 5 of the Act, to the Director-General: Department of Agriculture, Forestry and Fisheries.

(2) Such an appeal must:

- (a) be in the form of a written statement that has been sworn or confirmed by the commissioner of oath;
- (b) contain the reference number and date of the notification by which such a person or applicant has been informed of that decision;
- (c) indicate the grounds on which such an appeal is based;
- (d) be accompanied by the documentation relating to the subject of the appeal; and
- (e) be accompanied by the applicable fee.

(3) If such an appeal is made by someone other than the person against whom the decision has been made the specific appeal must be accompanied by a statement indicating the interest of the particular party in that decision or steps.

(4) The prescribed fee intended in sub-regulation (2)(e) should be paid by cheque, postal order or money order exchange in favour of the Director-General: Department of Agriculture, Forestry and Fisheries: provided that should the particular appeal be delivered by hand such amount may be paid in cash.

Address for submission of appeals

21. An appeal as intended in regulation 20(1) must:

- (a) When sent by post, be addressed to the Director-General: Department of Agriculture, Forestry and Fisheries; Private Bag X343, Pretoria, 0001; and
- (b) When delivered by hand, be delivered to the Director-General: Department of Agriculture, Forestry and Fisheries; Agriculture Place, 20 Beatrix Street, Pretoria.

Offences

22. Anyone who refuses or omits to comply with the provisions of the Regulations is guilty of an offence and on proof of guilt liable to a fine or imprisonment.

Payment of fees

23. (1) The postal and delivery costs of an application or article submitted in terms of these regulations must be paid by the sender.

(2) Monies payable in terms of these regulations must be paid by cheque, postal order or money order in favour of the Director-General: Department of Agriculture, Forestry and Fisheries; Provided that if such monies are delivered by hand, they may be paid in cash.

(3) Monies paid in terms of these regulations, except in terms of Section 6 of the Act, are not refundable.

Address for submission of documents

24. An application or item or anything connected therewith that in terms of these regulations needs to be submitted to the Registrar, must:

- (a) When sent by post, be addressed to the Registrar: Act No. 36 of 1947, Private Bag X343, Pretoria, 0001; and
- (b) When sent by rail or delivered by hand, be addressed to or delivered to the Registrar: Act No. 36 of 1947, Agriculture Place, 20 Beatrix Street, Pretoria.

Repeal of regulations

25. The undermentioned regulations are hereby repealed:

- (1) Government Notice R. 799 of 20 May 1977;
- (2) Government Notice R. 1651 of 26 August 1977
- (3) Government Notice R. 472 of 14 March 1980;
- (4) Government Notice R. 473 of 14 March 1980;
- (5) Government Notice R. 1449 of 1 July 1983 in as much as it refers to fertilizers; and
- (6) Government Notice R. 250 of 23 March 2007.

PART II**REQUIREMENTS FOR FERTILIZERS****Nitrogen fertilizers**

26. (1) A fertilizer that contains nitrogen as main plant nutrient may only be sold if designated and registered under a name in Column 2 of Table 1 and it meets the following requirements:

- (a) it is chemically composed as indicated in column 3 of Table 1;
- (b) the nitrogen content thereof meets the requirements of column 4 of Table 1;
- (c) the relevant requirements in columns 5 and 6 of Table 1; and
- (d) the information in column 6 of Table 1 is provided in terms of Regulation 9(3)(c).

Phosphorus fertilizers

27. (1) A fertilizer that contains phosphorus as main plant nutrient may only be sold if designated and registered under a name in Column 2 of Table 2 and it meets the following requirements:

- (a) it is chemically composed as indicated in column 3 of Table 2;
- (b) the phosphorus content thereof meets the requirement specified in column 4 of Table 2;
- (c) further relevant requirements specified in column 5 of Table 2; and
- (d) the information in column 6 of Table 2 is provided in terms of Regulation 9(3)(c).

(2) Besides the information in column 6 of Table 2 in terms of Regulation 9(3)(c), the following additional information must be provided in the case of:

- (a) calcium magnesium phosphate, the expression "pellet" or "powder" immediately after the name "calcium magnesium phosphate" to indicate the form in which it is sold; and
- (b) raw phosphate, the name of the place of origin as approved by the Registrar must precede the name "raw phosphate".

Potassium fertilizers

28. (1) A fertilizer that contains potassium as main plant nutrient may only be sold if designated and registered under a name in column 2 of Table 3 and it meets the following requirements:

- (a) it is chemically composed as indicated in column 3 of Table 3;
- (b) the potassium content thereof meets the requirements of column 4 of Table 3;
- (c) further relevant requirements specified in column 5 of Table 3; and
- (d) the information in column 6 of Table 3 is provided in terms of Regulation 9(3)(c).

Fertilizers that largely contain calcium, magnesium and sulphur as plant nutrients

29. (1) A fertilizer that contains mainly calcium, magnesium or sulphur as plant nutrients may only be sold if designated and registered under a name in column 2 of Table 4 and it meets the following requirements:

- (a) it is chemically composed as indicated in column 3 of Table 4;
- (b) the nutrient content thereof is specified against each name in column 4 of Table 4;

- (c) further relevant requirements specified in column 5 of Table 4; and
- (d) the information in column 6 of Table 4 is provided in terms of Regulation 9(3)(c).

Chemically compounded solid fertilizer or a fertilizer mixture that contains nitrogen, phosphorus or potassium fertilizers

30. (1) A fertilizer that is manufactured by mixing different components and that contains more than one of the plant nutrients nitrogen, phosphorus or potassium may only be sold if approved and registered under a name approved by the Registrar and it meets the following requirements:

- (a) the requirements as specified in columns 2 to 7 of Table 5;
- (b) the information in columns 8, 9 and 10 in Table 5 is provided in terms of Regulation 9(3)(c);
- (c) where applicable, the following expression must appear together with the name of the fertilizer: provided that an abbreviation may be used in place of the wording:

| WORDING | ABBREVIATION |
|-----------------------------------|-----------------|
| Granule | GR |
| Macro granule | SK/ SG |
| Micro guaranteed analysis granule | MK/ MG |
| Powder | P |
| Crystal | C |
| Suspension | SP |
| Nitro-phosphate suspension | NSP |
| Solution | OPL/SOL |
| Chloride | Cl Laag/ Cl Low |
| Water soluble | WO/ WS |
| Clear solution | HO / CS |

- (d) where applicable the fertilizer must meet the requirements of the Explosives Act of 2003 (Act No. 15 of 2003) and the regulations issued in terms thereof; and
- (e) the constituents thereof must not segregate visibly after manufacture.

(2) A mixed fertilizer shall only be registered and sold as a low Chloride fertilizer where, in the case of fertilizer mixture, the sum of the total plant nutrients is:

- (a) less than 200 g/kg and the Chloride may not be more than 20 g/kg;
- (b) between 200 g/kg and 290 g/kg and the Chloride content may not be more than 25 g/kg;
- (c) between 290 g/kg and 390 g/kg and the Chloride content may not be more than 30 g/kg; and
- (d) higher than 390 g/kg and the Chloride content may not be more than 35 g/kg.

Liquid/ fluid fertilizers

31. (1) A fertilizer manufactured in a liquid/ fluid form that contains more than one of the nutrients nitrogen, phosphorus and potassium may only be sold if approved and registered under a name approved by the Registrar and it meets the following requirements:

- (a) the requirements of columns 2 to 7 of Table 6;
- (b) the information in columns 8, 9 and 10 is provided in terms of Regulation 9(3)(c);
- (c) where applicable, the expressions given in Regulation 31(1)(d) are given together with the name of the fertilizer; and

- (d) the nutrient content is given on a mass: mass basis. It may also be given on a mass: volume basis with specific gravity at 20°C.

Micro-element fertilizers

32. (1) Micro-elements as described in Table 7 may only be sold if registered under a name in column 2 of Table 7 and it meets the following requirements:

- (a) the minimum plant nutrient concentration is as specified against each name in column 3 of Table 7;
- (b) other requirements specified in column 3 of Table 7; and
- (c) the information in column 4 is provided in terms of Regulation 9(3)(c): provided that in the case of organic complexing agents the abbreviation given in Table 15 may be used.

Micro-element mixtures

33. (1) A fertilizer consisting of a mixture of micro-elements may only be sold if registered and it meets the following requirements:

- (a) the minimum content of each element in column 1 of Table 8 is that specified in columns 2, 3 and 4 of Table 8;
- (b) the minimum total micro-element content:
 - (i) is 50 g per kg for powders/granules;
 - (ii) is 20 g per kg for liquid mixtures.

(2) The total elements and water soluble content of each element must be provided in terms of Regulation 9(3)(c) as well as instructions for use as approved by the Registrar.

Addition of macro- and micro-elements

34. (1) Macro- and micro-elements may be added to chemically composed, mixed or liquid fertilizers provided that:

- (a) such macro- and micro-elements are registered in terms of the Regulations;
- (b) such additions must be approved by the Registrar; and
- (c) the added macro- and micro-elements must be indicated in terms of Regulation 9(3)(c).

(2) If micro-nutrients are added to inorganic fertilizers they must:

- (a) be registered in terms of the regulations;
- (b) be supported by written proof that justifies such addition;
- (c) not be added in lesser amounts than in Table 9;
- (d) be printed on the label and invoice in terms of Regulation 9(3)(c); and
- (e) be accompanied by instructions for approval by the Registrar on the label.

Compost

35. (1) A compost as defined in Regulation 1 may only be sold if registered and it meets the following requirements:

- (a) it is sold in containers and must be fine enough for one hundred per cent thereof to pass through a 12 mm standard sieve;

- (b) it is a household and garden fertilizer as intended in Regulation 1.
- (c) the ash content thereof does not exceed 400 g/kg on a dry matter basis;
- (d) the moisture content does not exceed 400 g/kg;
- (e) it does not contain any visibly undecomposed organic or other foreign material; and
- (f) at least 80% of seeds that are planted under controlled conditions germinate normally and exhibit normal growth when planted in a growth medium as prescribed by the holder of the registration or manufacturer of such fertilizer.

Municipal compost

36. (1) A municipal compost that consists of urban waste may only be sold if registered and it meets the following requirements:

- (a) it meets the requirements set out in Regulation 35 (1) (a) to (f); and
- (b) no macro- or micro-element is added to a municipal compost without the written approval of the Registrar.

Sewage sludge

37. (1) A sewage sludge may only be sold if registered and it meets the following requirements:

- (a) the Department of Water & Environmental Affairs' requirements for sewage sludge;
- (b) the requirements for total inorganic content as given in Table 12;.
- (c) the requirements of Regulation 35 (1) (a) to (f); and
- (d) it must be certified to comply with the following quality requirements:
 - (i) Stabilised – should not cause odour nuisances or fly-breeding
 - (ii) Contains no viable *Ascaris* ova per 10 g dry sludge
 - (iii) Maximum 0 *Salmonella* organisms per 10 g dry sludge
 - (iv) Maximum 1000 *Faecal coliform* per 10 g dry sludge immediately after treatment (disinfection / sterilisation)

(2) No macro- or micro-elements may be added to the sewage sludge without the written approval of the Registrar.

Mixture of municipal compost and sewage sludge

38. (1) A compost that consists of a mixture of municipal compost and sewage sludge may only be sold if registered and it meets the following requirements:

- (a) the Department of Water & Environmental Affairs' requirements for sewage sludge;
- (b) the requirements for total inorganic content as given in Table 12;.
- (c) the requirements of Regulation 35 (1) (a) to (f); and
- (d) it must be certified to comply with the following quality requirements:
 - (i) Stabilised- should not cause odour nuisances of fly-breeding;
 - (ii) Contains no viable *Ascaris* ova per 10g dry sludge;
 - (iii) Maximum 0 *salmonella* organisms per 10g dry sludge; and
 - (iv) Maximum 1000 *Faecal coliform* per 10g dry sludge immediately after treatment (disinfection/strilisation)

(2) No macro- or micro-elements may be added to a mixture of municipal compost and sewage sludge without the written approval of the Registrar.

Composted poultry manure, kraal manure and other manures

39. (1) An organic fertilizer that consists of composted poultry manure, kraal manure or any other excretions of animals, with the exception of bat manure and guano, may only be sold if registered and it meets the requirements of Regulation 35 (1) (a) to (f); on condition that:

- (a) the ash content does not exceed 400 g/kg on a dry matter basis; and
- (b) no macro- or micro-elements may be added without the written approval of the Registrar.

Bat manure

40. (1) An organic fertilizer that consists of bat manure may only be sold if registered and it meets the following requirements:

- (a) the minimum total nitrogen content is 20 g/kg;
- (b) the minimum phosphorus content soluble in 2% citric acid is 18 g/kg;
- (c) the total content of nitrogen and phosphorus is a minimum of 60 g/kg; and
- (d) it is sterilised by any method approved in writing by the Registrar that eliminates organisms that could be harmful to man, animal or the environment.

(2) No macro- or micro-elements may be added without the written approval of the Registrar.

Guano, carcass, hoof, horn and bone meal

41. (1) A product specified in column 1 of Table 13 may only be sold if registered and it meets the following requirements:

- (a) the total nitrogen content is as specified in column 2 of Table 13;
- (b) the sum total of the nitrogen content, phosphorus content and potassium content is as given in column 3 of Table 13; and
- (c) it furthermore meets the requirements given in column 4 of Table 13.

(2) The details specified in column 5 of Table 13 must be provided in terms of Regulation 9(4)(a) in respect of the fertilizers.

(3) The fertilizers mentioned in Regulation 43 with the exception of guano must furthermore meet the requirement in sub-regulation (1) (c) above.

(4) No macro- or micro-elements may be added to a fertilizer without the written approval of the Registrar.

Organic or enriched organic fertilizer mixtures

42. (1) An enriched organic fertilizer mixture as defined in Regulation 1, may only be sold if registered under a name approved by the Registrar, and it meets the following requirements:

- (a) the nitrogen content is as specified in column 4 of Table 14; and
- (b) the sum of the nitrogen, total phosphorus and potassium content is as specified in column 3 of Table 14.

(2) An organic fertilizer mixture as described in Regulation 1 may only be sold if approved and registered and it meets the following requirements:

- (a) the sum of the nitrogen, total phosphorus and potassium content is as specified in column 3 of Table 14; and
- (b) other requirements of Table 14.

Micro-elements in organic fertilizers and enriched organic fertilizer mixtures

43. (1) Where micro-elements are added to an organic fertilizer mixture or enriched organic fertilizer mixture:

- (a) such micro-element must be registered in terms of the Act;
- (b) written proof must be supplied that justifies such addition;
- (c) it must not be in lesser amounts than stipulated in Table 9;
- (d) it must be indicated on the label or invoice in terms of Regulation 9(3)(c); and
- (e) instruction for use approved by the Registrar must be printed on the label or invoice if it is a home or garden fertilizer.

(2) If the natural micro-element content of an organic fertilizer or an enriched organic fertilizer mixture is printed on the label as intended in Regulation 9(3)(c):

- (a) it must not be for amounts lower than specified in Table 9; and
- (b) the micro-element content must meet the solubility criteria specified in Table 7.

Liming materials

44. (1) A liming material may only be sold if registered as a fertilizer and it meets the following requirements:

- (a) the requirements set out in Table 15.
- (b) the fineness thereof with the exception of shell lime is as follows:
 - (i) that at least 50% thereof passes through a 250 micron sieve (0,25 mm); and
 - (ii) that at least 100% thereof passes through a 1700 micron sieve (1,7 mm); provided that a finer grade may be registered.
- (c) the fineness of shell lime is as follows:
 - (i) that at least 60% thereof passes through a 500 micron sieve (0,5 mm); and
 - (ii) that at least 100% thereof passes through a 1700 micron sieve (1,7 mm); provided that a finer grade may be registered.
- (d) The maximum moisture content thereof on an oven dry basis at 105°C is 150 g/kg and the maximum moisture content of a liming material referred to in subparagraph (2) does not exceed 200 g/kg.

(2) A liming material may be registered as microfine if at least 95% thereof passes through a 250 micron sieve and at least 80% thereof passes through a 106 micron sieve.

(3) The details in columns 1 to 8 of Table 15 must be given in terms of Regulation 9 in respect of the liming materials, as well as the following information:

- (a) CCE values, according to the strong acid and Relative Resin Suspension methods;

- (b) Moisture content; and
- (c) Sieve test.

Custom mixes

45. (1) A person managing the undertaking where custom mixes are manufactured for specific clients, shall, in respect of each batch or series of the different custom mixes, manufactured, controlled, packed, marked or labelled thereof, keep comprehensive records of:-

- (a) the results of quality checks made on the additives used as ingredients in the manufacture of the custom mix comprising such batch or series and of each such custom mix;
- (b) each date on which a quantity of such batch or series was sold, the names and addresses of the purchaser to whom each such quantity was sold, and the quantity thereof which was sold to each such person;
- (c) the name and address of the person on whose behalf the custom mix was prepared;
- (d) the composition and mixing instructions, as well as the purpose for which it is needed;
- (e) the quantity mixed; and
- (f) the signature of and date on which the person on whose behalf the custom mix was prepared, submitted a request.

(2) Where the custom mixes are not sold in containers, the label or invoice shall contain the following information:

- (a) name and address of the person who placed the order;
- (b) the words "not for public sale";
- (c) the name of the product or for which purpose the product is intended;
- (d) the mass of the product; and
- (e) the name and address of the manufacturer.

(3) A person manufacturing a custom mix shall keep a reference sample for at least 3 months.

(4) If for any reason a custom mix must be stored it must be clearly labelled (clearly legible) with the following information:-

- (a) Name of client;
- (b) Order or invoice number;
- (c) Date of manufacture;
- (d) Product name and /or composition;
- (e) Mass or volume produced.

Permissible deviations in components / nutrients / micro-element contents

46. (1) Notwithstanding anything to the contrary contained in these regulations, a fertilizer shall not be deemed to deviate in its registered components/ nutrients or micro-elements contents as long as it:

- (a) is within the limits set out in Table 16 and does not deviate more than 1.4% in absolute terms of its registered value for the total nutrients (fertilizer mixture);
- (b) is within the limits set out in Table 17 (chemically compounded fertilizer);
- (c) is within the limits set out in Table 18 (fertilizer mixture or chemically compounded fertilizer with micro elements); and
- (d) does not deviate by more than 7% on a dry mass basis (liming material).

Harmful elements

47. (1) **All fertilizers** must meet the requirements as specified in Table 12. The levels of harmful elements may not exceed the limit indicted in Table 12.

(2) Each application must be accompanied by a certificate of analysis on the harmful elements contained in such fertilizer.

(3) The Registrar may request the applicant to conduct further analysis of harmful elements at any time after the registration of any such fertilizers.

ANNEXURE A


**agriculture,
forestry & fisheries**

Department:
Agriculture, forestry & fisheries
REPUBLIC OF SOUTH AFRICA

Republic of South Africa
Registrar: Act 36/1947
Private Bag X343
0001 Pretoria

FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947
(ACT No. 36 OF 1947), AS AMENDED

APPLICATION FOR THE REGISTRATION OF A FERTILIZER

INFORMATION FOR APPLICANTS

1. The application form must be duly completed in all respects. Where applicable, the requested information can be submitted as separate numbered attachments.
2. The application and draft label must be submitted in duplicate with an explanatory covering letter.
3. The application must be submitted to the Registrar: Act 36 of 1947, Private Bag X343, Pretoria, 0001.
4. Every application must be accompanied by the prescribed registration fee.
5. For further information visit our website at www.daff.gov.za

Indicate as appropriate:

| | | | | |
|--|------|--|-----|--|
| New Registration: | | | | |
| Registration transfer: | | | | |
| Amendments to an existing registration: | | | | |
| Other: - | | | | |
| Will product be marketed/distributed under own label: | YES: | | NO: | |
| If the answer is no to the above, please indicate the name of the marketer/ distributor: | | | | |

1. APPLICANT

| Identification: | Details of applicant | Details of distributor/agent in country: (List of additional distributors/agents can be attached). |
|---|----------------------|---|
| | | |
| Company name and company registration number: | | |
| Physical address: | | |
| Postal address: (and postal code) | | |
| Telephone: (and area code) | | |
| Fax: (and area code) | | |
| E-mail: | | |

| 2. INDICATE THE FOLLOWING | |
|---|--------------|
| Is the applicant the | Importer |
| | Manufacturer |
| | Seller |
| 3. DETAILS OF THE MANUFACTURE | |
| 3.1. Name of manufacturer | |
| 3.2. Postal address | |
| 3.3. Physical address (street address) | |
| 3.4. Telephone Number: | |
| 3.5. Fax Number | |
| 3.6. E-mail address | |
| 3.7. Establishment and sterilizing plant (where applicable) | |
| Registration number (where applicable) | |
| 3.8. Initials and Surname(s) of person(s) responsible for formulation | |
| 3.9. Qualifications | |

| 4. PARTICULARS OF PRODUCT | | | | | | |
|--|--------------|-------------|------|--------------|----------------|-------|
| 4.1. Trade mark (acknowledged or registered in terms of Trade Marks Act (Act 62 of 1963) (if any)) | | | | | | |
| 4.2. Trade name: | | | | | | |
| 4.3. Fertilizer group | Group 1 | Group 2 | | Group 3 | | |
| | | | | | | |
| 4.4. How will the product be sold | Bulk | | | Containers | | |
| | | | | | | |
| 4.5. Type and size of container | Polyprop bag | Plastic bag | Drum | Glass bottle | Plastic bottle | Other |

10. DECLARATION BY APPLICANT OR THE DULY APPOINTED REPRESENTATIVE

| | |
|---|-------------------------|
| Trade name of product: | |
| <p>For and on behalf of:</p> <p>I hereby certify that the information furnished in this application and data provided in support is to the best of my knowledge true, correct, complete and complies with the requirements of Act No. 36 of 1947; acknowledge my responsibilities in terms of the Act; and grant permission to the Registrar of Act No.36/1947 to cancel this registration in terms of <i>Section 4</i> of the Act should it be established that the information supplied in this application and with this application is not true and does not comply with the requirements of the Act.</p> | |
| Name in full (printed) | Signature |
| Date | Official Title |

(Note: Any person who in any application makes any statement which is false in any material respect, knowing it to be false, or fails to disclose any information with intent to deceive, shall be guilty of an offence).

DECLARATION TO BE MADE IN THE PRESENCE OF A JUSTICE OF PEACE/COMMISSIONER OF OATHS

I certify that the deponent has acknowledged that he/she knows and understands the contents of this declaration which was sworn to/affirmed before me and the deponents signature/thumb print/mark was placed thereon in my presence.

| | | |
|--|-------------|-----------------|
| | | |
| INITIALS AND SURNAME OF THE APPLICANT | | |
| | | |
| | | |
| SIGNATURE OF APPLICANT | DATE | TEL. NO. |
| | | |
| JUSTICE OF THE PEACE/ COMMISSIONER OF OATHS | | |

NOTES:

* Proof of claims made for group three fertilizers must accompany the application.

** The information must be similar to the one on the certificate of analysis.

| | | |
|--|---|--|
| Official Stamp of Applicant / Company | FOR OFFICIAL USE | |
| | Registration is: Recommended <input type="checkbox"/> Not Recommended <input type="checkbox"/> | |
| | Technical Adviser: Date | |

EXAMPLE ON THE COMPLETION OF PART 9 OF THE APPLICATION

9 FORMULATION AND COMPOSITION OF THE PRODUCT**

| 9.1. PRODUCT: | | | | 10:1:4(30) | | | | | | | | | | | | |
|--------------------------|----------|--------------------------|-------|------------|--|-------|-------|---|----|----|----|----|----|----|---|----|
| 9.2. COMPOSITION: | | | | g/kg | | | | | | | | | | | | |
| | | | | N | 200 | | | | | | | | | | | |
| | | | | P | 20 | | | | | | | | | | | |
| | | | | K | 80 | | | | | | | | | | | |
| RAW MATERIAL INFORMATION | | | | % | PRODUCT COMPOSITION (g/kg) or (mg/kg for micro-elements) | | | | | | | | | | | |
| Constituent | Reg. Nr. | Plant nutrient content % | | USED | N | P | K | S | Ca | Mg | Zn | Cu | Mo | Fe | B | Mn |
| MAP | A | N | P | 9,10 | 10,01 | 20,02 | | | | | | | | | | |
| | | 11,00 | 22,00 | | | | | | | | | | | | | |
| LAN | B | N | | 67,86 | 190,00 | | | | | | | | | | | |
| | | 28,00 | | | | | | | | | | | | | | |
| Potassium chloride | C | K | | 16,00 | | | 80,00 | | | | | | | | | |
| | | 50,00 | | | | | | | | | | | | | | |
| Filler | - | | | 7,04 | | | | | | | | | | | | |
| TOTAL | | | | 100,00 | 200,01 | 20,02 | 80,00 | | | | | | | | | |

N.B. Please take note that this is just an example to assist the applicants. The applicants must supply the relevant information applicable to their application.

ANNEXURE B

TABLE 1
NITROGEN FERTILIZERS

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|-------------------|--|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Ammonium sulphate | Chemically derived product that contains ammonium sulphate as essential component | 200 g/kg N Nitrogen present as ammonium nitrogen | 1. Total N 2. Ammonium - N 3. Nitrate - N 4. Amine - N 5. Cyanamide - N 6. Ureaformaldehyde 6a. Luke warm water-soluble N 6b. Hot water-soluble- N 7. Total calcium 8. Total magnesium | Solubility (1); Solubility (2) optional; Sulphur optional, as long as at least 10 g/kg |
| 2 | Sodium nitrate | Chemically derived product that contains sodium nitrate as essential component | 150 g/kg N Nitrogen present as nitrate nitrogen | | Solubility (1); Solubility (3) optional |
| 3 | Calcium nitrate | Chemically derived product that contains calcium nitrate as essential component and possibly ammonium nitrate | 119 g/kg N (solid) 170 g/kg Ca (solid) 80 g/kg N (liquid) 110 g/kg Ca (liquid) | | Solubility (1) and (7); Solubility (3) optional |
| 4 | Calcium cyanamide | Chemically derived product that contains calcium cyanamide as essential component, calcium oxide and possibly small amounts of ammonium salts and urea | 180 g/kg N (dry or liquid) Nitrogen present as total nitrogen and at least 75% to be declared bound in the form of cyanamide | | Solubility (1); Solubility (5) optional |
| 5 | Urea | Chemically derived product that contains carbonyl diamide (carbamide) as essential component | 450 g/kg N (solid) Total amine nitrogen (biuret included) | Same as for ammonium sulphate 1 - 8 | Solubility (1) |
| 6 | Low biurette urea | Chemically derived product that contains carbonyl diamide (carbamide) as essential component | 450 g/kg N (solid) Total amine nitrogen (biuret included) Biuret content lower than 0,5% | | Solubility (1) |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|----|----------------------------|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | Limestone ammonium nitrate | Intimately mixed product of powdered lime and ammonium nitrate granules or prill. | 150 g/kg N The minimum content of calcitic or dolomitic lime shall be 150 g/kg with a purity level of at least 900 g/kg. Must meet the requirements of the Explosives Act, Act 26 of 1956 and the regulations thereof. | | Solubility (1); Solubility (2) and (3) optional; Sulphur content optional, provided at least 10 g/kg |
| 8 | Ammonium sulphate nitrate | Mixture of ammonium nitrate and ammonium sulphate | 250 g/kg N (solid) 180 g/kg N (liquid) 50 g/kg nitrate-N (solid) 40 g/kg nitrate-N (liquid) Must meet the requirements of the Explosives Act, Act 26 of 1956 and the regulations thereof. | | Solubility (1); Solubility (2) and (3) optional; Sulphur content optional provided at least 10 g/kg |
| 9 | Aqua ammonia | Mixed product of water and ammonia | 150 g/kg N | Same as for ammonium sulphate 1 - 8 | Solubility (1) |
| 10 | Urea formaldehyde | Reaction production of urea and formaldehyde | 320 g/kg N 10 - 13% soluble in luke warm water (25°C) 15 - 16,5% insoluble in luke warm water (25°C) but soluble in hot water 8,5 - 13% insoluble in boiling water | | Solubility (1) 6(a) and 6(b) |
| 11 | Ammonium chloride | Chemically derived product that contains ammonium chloride as essential component | 240 g/kg N | | Solubility (1); Solubility (2) optional |
| 12 | Ammonium nitrate solution | Aqueous solution of ammonium nitrate | 100 g/kg N Must meet the requirements of the Explosives Act, Act 26 of 1956 and the regulations thereof. | | Solubility (1) Solubility (2) and (3) optional |
| 13 | Calcium ammonium nitrate | Mixed product of ammonium and calcium nitrate | 100 g/kg N (solid) 80 g/kg N (liquid) Must meet the requirements of the Explosives Act, Act 26 of 1956 and the regulations thereof. | Same as for ammonium sulphate 1 - 8 | Solubility (1) and (7); Solubility (2) and (3) optional |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|----|---|---|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14 | Urea ammonium nitrate (UAN) solution | Aqueous solution that contains ammonium nitrate and urea as essential components | 210 g/kg N Must meet the requirements of the Explosives Act, Act 26 of 1956 and the regulations thereof. | | Solubility (1); Solubility (2), (3) and (4) optional |
| 15 | Magnesium nitrate | Chemically derived product with magnesium nitrate as essential component | 100 g/kg N (solid) 80 g/kg Mg (solid) 60 g/kg N (liquid) 50 g/kg Mg (liquid) | | Solubility (1) and (8); Solubility (3) optional |
| 16 | Magnesium ammonium nitrate | Chemically derived product with ammonium nitrate and magnesium containing salts (dolomite, magnesium carbonate and/or magnesium sulphate as essential components) | 190 g/kg N 60 g/kg NO ₃ - N 60 g/kg NH ₄ + N 30 g/kg Mg | 1. Total N 2. Ammonium-N 3. Nitrate-N 4. Amine-N 5. Cyanamide-N 6. Urea formaldehyde 6a. Luke warm water-soluble-N | Solubility (1); Solubility (2), (3) and (8) optional |
| 17 | Anhydrous ammonia | Chemically derived product with NH ₃ as essential component | 800 g/kg N | 6b. Hot water-soluble-N 7. Total calcium 8. Total magnesium | Solubility (1) |
| 18 | Urea formaldehyde reaction products: MU – methyleneurea MDU – Methylenediurea DMTU – dimethylene-triurea | Reaction of: Urea and formaldehyde Urea and monomethylolurea Methylenediurea and monomethylolurea | 38% N min, AI < 40 Of the N present: 10 - 13% is cold water-soluble nitrogen (CWSN) - soluble in 25°C, the N is mineralised in about 1 - 4 weeks, 15 - 17% is cold water insoluble nitrogen (VWIN) or hot water-soluble nitrogen (HWSN) at 25°C, the N is mineralised in about 1 - 16 weeks, 7 - 13% is hot water insoluble nitrogen (HWIN) at 98 - 100°C, the N is mineralised in about 1 - 30 weeks | | |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|----|---|--|--|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 19 | Urea formaldehyde condensates: CDU - Crotonylidendiurea IBDU - isobutylidenediurea | Urea and crotonaldehyde Urea and isobutyraldehyde | 32% N, AI = 99.8 30-31% N, AI = 99 | | |
| 20 | Soluble N sources that gradually decompose: GUAN - guanylurea GUP - guanylurea phosphate GUS - guanylurea sulphate | Acidulation of Calcium Cyanamide | 27,8% N 37% N | | |
| 21 | Sparingly soluble minerals: Magnesium ammonium phosphate | | 57 - 90 g/kg N 126 - 196 g/kg P | Solubility approx. 0.014 g/100 ml at 25°C 1 - 2% water-soluble nitrogen | |

Products 1 - 7, 9 - 12, 15 - 17, 18 - 21 are chemically derived products.
Products 8, 13 and 14 are mixtures.

TABLE 2

PHOSPHORUS FERTILIZERS

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|---|---|--|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Basic slag | Product derived from iron foundry through treatment of phosphorus melt. Contains calcium silica phosphate as essential component | 40 g/kg P, soluble in 2% citric acid. Particle size: At least 75% capable of passing through a sieve with a mesh of 150 micron; at least 98% capable of passing through a sieve with a mesh of 630 micron. | 1. Water-soluble P 2. P soluble in mineral acid (HNO ₃ + HCl) 3. P soluble in 2% citric acid 4. Total calcium 5. Total sulphur | Solubility (3); Solubility (2) optional |
| 2 | Superphosphate | Product derived from the reaction of milled mineral phosphate with sulphuric and/or phosphoric acid, and contains mono calcium phosphate as an essential component together with calcium sulphate | 80 g/kg P, soluble in 2% citric acid, of which at least 80% must be water-soluble. | | Solubility (3); Solubility (1), (4) and (5) Optional provided the calcium and sulphur contents are at least 10 g/kg |
| 3 | Partially dissolved milled sedimentary rock phosphate | Product derived from the partial dissolution of milled sedimentary rock with sulphuric acid, phosphoric acid or nitric acid and contains mono and tri calcium phosphates and calcium sulphate as essential components | 80 g/kg P, soluble in mineral acids, of which at least 25% must be water-soluble. Particle size of phosphate rock: - At least 85% capable of passing through a sieve with a mesh of 150 micron; - At least 98% capable of passing through a sieve with a mesh of 630 micron. | | Solubility (1) and (2) Solubility (3), (4) and (5) optional provided the calcium and sulphur contents are at least 10 g/kg |
| 4 | Dicalcium phosphate | Product derived from the precipitation of soluble phosphoric acid with mineral phosphates or bones and contains dicalcium phosphate hydrate as essential component. | 160 g/kg P, soluble in 2% citric acid. Particle size: At least 80% capable of passing through a sieve with a mesh of 150 micron. | | Solubility (3); Solubility (2) and (4) optional provided the calcium content is at least 10 g/kg |
| 5 | Super and sedimentary milled | Shall consist of a mixture of superphosphate powder and | 110 g/kg P, soluble in mineral acids, of which at least 25% must | | Solubility (1), (2) and (3); Solubility (4) and (5) optional, |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|--|--|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | phosphate rock | sedimentary milled phosphate rock | be water-soluble. Sedimentary milled phosphate rock: Particle size: - At least 80% capable of passing through a sieve with a mesh of 150 micron. - At least 99% capable of passing through a sieve with a mesh of 300 micron. | | provided the calcium and sulphur content are at least 10 g/kg |
| 6 | Phosphoric acid solution | Chemically derived product that contains phosphoric acid as essential component | 100 g/kg P soluble in mineral acids | | Solubility (2) |
| 7 | Sedimentary milled phosphate rock powder | Product derived from milling sedimentary phosphate rock and contains carbonate appetite as essential component | 80 g/kg P soluble in mineral acids, of which at least 20% must be soluble in 2% citric acid and at least 70% must be soluble in four successive extractions with 2% citric acid. Particle size: - At least 80% capable of passing through a sieve with a mesh of 150 micron. - At least 98% capable of passing through a sieve with a mesh of 630 micron. | | Solubility (2); Solubility (3) and (4) optional provided the calcium content is at least 10 g/kg. Declaration of P-component. A phosphate rock of this fineness shall be designated with the word "powder" or the letter "P". |
| 8 | Phosphate rock-sedimentary phosphate rock (micro granules) | Product derived through milling sedimentary phosphate rock and contains carbonate appetite as essential component. | 80 g/kg P soluble in mineral acids of which at least 20% must be soluble in 2% citric acid and at least 70% must be soluble in four successive extractions with 2% citric acid. Particle size: - At least 20% capable of passing through a sieve with a mesh of 150 micron. - At least 98% capable of | | Solubility (2) Solubility (3) and (4) optional, provided the calcium content is at least 10 g/kg Declaration of P-component. (ex. Sedimentary milled phosphate rock). A phosphate rock of this fineness shall be designated with the word "micro |

| 1 | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|----|--------------------------|---|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | | passing through a sieve with a mesh of 630 micron. | | granules" or the letters "µG" (µK) |
| 9 | Fused phosphate | Melted fusion of natural phosphate and magnesium hydro-silicate rock | At least 100 g/kg P soluble in strong acid of which at least 97,4% is soluble in 2% citric acid 60 g/kg Mg soluble in 2% citric acid; 100 g/kg Si soluble in 2% citric acid | 1. P soluble in 3% citric acid. 2. Mg soluble in 2% citric acid. 3. Ca soluble in 2% citric acid. 4. Si soluble in 2% citric acid. | Regulation 5(2) |
| 10 | Diammonium phosphate | Ammonium phosphates produced by reacting ammonia with phosphoric acid | 460 g/kg N 200 g/kg P | | |
| 11 | Mono ammonium phosphate | Ammonium phosphates produced by reacting ammonia with phosphoric acid | 100g/kg N 200g/kg P | | |
| 12 | Mono potassium phosphate | | 220 g/kg P 286 g/kg K | | |

TABLE 3

POTASSIUM FERTILIZERS

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|---|--|---|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Potassium chloride | Product derived from raw potassium salts, and contains potassium chloride as essential component. | 480 g/kg K (solid) 100 g/kg K (liquid) | 1. Water-soluble potassium 2. Water-soluble magnesium 3. Total sulphur 4. Hot water-soluble magnesium 5. Total calcium 6. Total nitrogen 7. Water-soluble nitrogen 8. Hot water-soluble potassium | Solubility (1) |
| 2 | Potassium chloride that contains magnesium salts | Product derived from raw potassium salts with added magnesium salts and contains potassium chloride and magnesium salts as essential components. | 150 g/kg K (solid) 30 g/kg Mg (liquid) Magnesium is present as water-soluble salts. | | Solubility (1) and (2); Solubility (3) optional, provided the sulphur contents is at least 10 g/kg |
| 3 | Potassium sulphate | Production chemically derived from potassium salts and contains potassium sulphate as essential component. | 390 g/kg K (solid) 30 g/kg K (liquid) Maximum chlorine content: 30 g/kg Cl | | Solubility (1); Solubility (3) optional, provided it contains at least 10 g/kg sulphur. Declaration of "low chlorine" must meet requirements of regulation 5(2). |
| 4 | Potassium magnesium sulphate which occur chemically | Product chemically derived from potassium salts, possibly with addition of magnesium salts and contains potassium sulphate and magnesium sulphate as essential components. | 180 g/kg K (solid) 40 g/kg Mg (liquid) Magnesium in the form of water-soluble salts, present as magnesium. Maximum chloride content: 30 g/kg Cl | Same as for Potassium chloride 1 - 8 | Solubility (1) and (2); Solubility (3) optional, provided it contains at least 10 g/kg sulphur. Declaration of "low chlorine" must meet requirements of regulation 5(2). |
| 5 | Potassium nitrate | Product chemically derived from potassium salts and contains potassium nitrate as essential components. | 300 g/kg K 100 g/kg N | | Solubility (1) and (6) |
| 6 | Sulphomag | Natural mineral that contains sulphur, magnesium and | 170 g/kg K | | Solubility (4) and (8) Solubility (3) optional, provided it |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|--|---|---|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | potassium | | | contains at least 10 g/kg sulphur |
| 7 | Potassium magnesium sulphate which occur naturally | A double salt of magnesium sulphate and potassium sulphate with a small amount of sodium chloride. | 180 g/kg K 48 g/kg Mg 220 g/kg S 30 g/kg Cl max. | | |
| * Cold water-soluble potassium unless specified otherwise. * Products 1 - 6 listed are chemically derived products. | | | | | |

TABLE 4

FERTILIZERS THAT CONTAIN MAINLY CALCIUM, MAGNESIUM OR SULPHUR

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|--|--|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Calcium sulphate | Product of natural or industrial origin and contains calcium sulphate at different degrees of hydration | 180 g/kg Ca 120 g/kg S Milling Fineness: 1. At least 90% to pass through a 2000 micron sieve. 2. At least 50% to pass through a 250 micron sieve. | 1. Total sulphur 2. Total calcium 3. Water-soluble magnesium | Solubility (1) and (2) optional |
| 2 | Elemental sulphur | Reasonably fine natural or industrial product, in powder or granule form with or without filler material | 900 g/kg S | | Solubility (1) |
| 3 | Magnesium sulphate | Product that contains magnesium sulphate heptahydrate as essential component | 50 g/kg Mg 65 g/kg S | | Solubility (3); Solubility (1) optional |
| 4 | Calcium chloride | | 183 g/kg Ca | | Solubility (2) |
| 5 | Calcium EDTA | Water-soluble product obtained by combining calcium chemically with a chelating agent | 100 g/kg Ca | | Solubility (2) |
| 6 | Magnesium sulphate anhydrous | | 200 g/kg Mg 260 g/kg S | | Solubility (1) and (3) |
| 7 | Magnesium sulphate monohydrate - kieserite | Product of mineral origin containing monohydrated magnesium sulphate as the main component | 175 g/kg Mg 230 g/kg S | | Solubility (1) and (3) |
| 8 | Magnesium sulphate heptahydrate | Product containing heptahydrated magnesium sulphate as the main component | 99 g/kg Mg 130 g/kg S | | Solubility (1) and (3) |
| 9 | Magnesium EDTA | Water-soluble product obtained | 60 g/kg Mg | | Solubility (3) |

| | NAME OF PRODUCT | METHOD OF MANUFACTURING & ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT, FORM, OTHER REQUIREMENTS | FORMS AND SOLUBILITIES TO BE DECLARED IN COLUMN 6 | DECLARATION OF SOLUBILITIES AND OTHER NORMS |
|---|--------------------|--|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | by combining magnesium chemically with a chelating agent | | | |

TABLE 5

SOLID FERTILIZER MIXTURES CONTAINING TWO OR MORE MAIN PLANT NUTRIENTS

| 1 | METHOD OF MANUFACTURE AND ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT | MINIMUM PLANT NUTRIENT PER ELEMENT | FORMS, SOLUBILITIES AND ELEMENTAL PLANT NUTRIENT CONTENT TO BE DECLARED AS SPECIFIED IN COLUMNS 8, 9 AND 10 | | | DECLARATION OF FORMS, SOLUBILITIES AND OTHER NORMS | | |
|----------------------------------|--|---|------------------------------------|---|---|---------|--|--|--|
| | | TOTAL | | N | P | K | N | P | K |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| NPK-, NP-, NK- or PK-fertilizers | Product chemically derived or through mixing without the addition of organic plant nutrients of animal or plant origin | 100 g/kg N + P + K 80 g/kg N + P 80 g/kg N + K 80 g/kg P + K | 10 g/kg | 1. Total N 2. Nitrate-N 3. Ammonium-N 4. Amine-N 5. Cyanamide-N 6. Urea formaldehyde | 1. Water-soluble P 2. P soluble in mineral acids 3. P soluble in 2% citric acid | Total K | Total N If any of the N forms (2) to (6) are present at, at least 1% may be declared. | 1) An NPK-, or PK-fertilizer free of basic slag, calcium magnesium silico phosphate, partially solubilised phosphate rock or sedimentary milled phosphate rock must be declared in terms of solubility (3); solubility (1) and (2) optional. 2) An NPK-, NP- or PK-fertilizer that: (a) contains basic slag or calcium magnesium silico phosphate, must be declared in terms of solubilities (1), (2) and (3); (b) sedimentary milled phosphate rock or partially solubilised sedimentary phosphate rock, must be declared in terms of solubility (2) and | 1) Total K 2) Declaration of "low chlorine" must meet the requirements of guideline 5(g) 3) Chlorine content may be declared |

| | METHOD OF MANUFACTURE AND ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT | MINIMUM PLANT NUTRIENT PER ELEMENT | FORMS, SOLUBILITIES AND ELEMENTAL PLANT NUTRIENT CONTENT TO BE DECLARED AS SPECIFIED IN COLUMNS 8, 9 AND 10 | | | DECLARATION OF FORMS, SOLUBILITIES AND OTHER NORMS | | |
|---|---|---|--|--|---|---|--|---|----|
| | | | | N | P | K | N | P | K |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | (3). The present of these phosphate sources must | |
| | | | | | | | | be declared and, in the case of sedimentary milled phosphate rock, its fineness and contribution to total P must be declared. | |
| | | | | | | | Calcium, magnesium and sulphur may be declared, provided the content thereof is at least 10,5 and 10 g/kg respectively. | | |
| | Product chemically derived or through mixing, with addition of organic plant nutrients of animal or plant origin. Organic component is less than 500 g/kg (m/m) | 100 g/kg N + P + K | | | | | 1) Total N | 2) P soluble in mineral acids. 3) P soluble in 2% citric acid. If raw phosphate is a component of the mixture of application for registration must indicate the fineness and origin of the source. | |
| | | | | | | | The declaration of the type/origin of the organic component, as well as the content thereof in the mixture, is compulsory. | | |

TABLE 6

LIQUID FERTILIZER MIXTURES CONTAINING 2 OR MORE MAIN PLANT NUTRIENTS

| 1 | METHOD OF MANUFACTURE AND ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT | MINIMUM PLANT NUTRIENT PER ELEMENT | FORMS, SOLUBILITIES AND ELEMENTAL PLANT NUTRIENT CONTENT TO BE DECLARED AS SPECIFIED IN COLUMNS 8, 9 AND 10 | | | DECLARATION OF FORMS, SOLUBILITIES AND OTHER NORMS | | |
|--|---|---|------------------------------------|---|--|-----------------|---|--|---|
| | | | | N | P | K | N | P | K |
| 1 | 2 | TOTAL | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| NPK-, NP-, NK- or PK-fertilizer solutions | Product in liquid form in which the plant nutrients are in solution, without the addition of organic plant nutrients of animal or plant origin. | 100 g/kg N + P + K 80 g/kg N + P 80 g/kg N + K 80 g/kg P + K | 10 g/kg per element | 1. Total N 2. Nitrate-N 3. Ammonium-N 4. Urea-N | Water-soluble P | Water-soluble K | 1) Total N 2) If any of the N forms (2) to (4) are present at least 1% they may be declared. | Water-soluble P | 1) Water-soluble K 2) Declaration of "low chlorine" must meet the requirements of regulation 5(2). 3) The chlorine content may be declared. |
| | | | | | | | Declaration of typical density at 20°C. Calcium, Magnesium and Sulphur may be declared, provided the content thereof is at least 10,5 and 10 g/kg respectively. | | |
| NPK-, NP-, NK- or PK-fertilizer suspension | Production in liquid form in which the plant nutrients are derived from substances both in suspension in the water, and in solutions without the addition of organic plant nutrients of animal or plant | 100 g/kg N + P + K 80 g/kg N + P 80 g/kg N + K 80 g/kg P + K | 10 g/kg per element | 1. Total N 2. Nitrate-N 3. Ammonium-N 4. Urea-N | 1. Water-soluble P 2. P soluble in 2% citric acid | Total K | 1) Total N 2) If any of the N forms (2) to (4) are present at least 1% by mass, may be declared. | P content must be declared in terms of solubility (2); solubility (1) optional | 1) Total K 2) Declaration of "low chlorine" must meet the requirements of |

| 1 | METHOD OF MANUFACTURE AND ESSENTIAL COMPONENTS | MINIMUM PLANT NUTRIENT CONTENT | MINIMUM PLANT NUTRIENT PER ELEMENT | FORMS, SOLUBILITIES AND ELEMENTAL PLANT NUTRIENT CONTENT TO BE DECLARED AS SPECIFIED IN COLUMNS 8, 9 AND 10 | | | DECLARATION OF FORMS, SOLUBILITIES AND OTHER NORMS | | |
|---|---|---|--|--|---|---|---|---|--|
| | | | | N | P | K | N | P | K |
| 1 | 2 | TOTAL 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | origin. | | | | | | | | regulation 5(2). (3) The chlorine content may be declared. |
| | | | | | | | Calcium, magnesium and sulphur may be declared provided the content thereof is at least 10,5 and 10 mg/kg respectively. | | |

TABLE 7

REQUIREMENTS FOR MICRO-NUTRIENT COMPOUNDS THAT ONLY CONTAIN ONE ELEMENT

| Product | | Minimum Micro-nutrient concentration - g/kg Other requirements | Declarations of Solubilities and other properties |
|------------|---|--|---|
| 1 | 2 | 3 | 4 |
| 7.1 | Compounds containing BORON (B) | | |
| 1.1 | Boric acid | 140 g/kg water-soluble B | Water-soluble B |
| 1.2 | Sodium borate: Fertilizer grade Spray grade | 100 g/kg water-soluble B 150 g/kg water-soluble B | Water-soluble B |
| 1.3 | Calcium borate | 70 g/kg total B | Water-soluble B, total B |
| 1.4 | Boron ethanol amine | 80 g/kg water-soluble B | Water-soluble B |
| 1.5 | Boron fertilizer in solution or suspension | 20 g/kg water-soluble B | Water-soluble B, Total B |
| 1.6 | Boron frit | | Total B, Specify "slowly available" |
| 7.2 | Compounds containing COPPER (Cu) | | |
| 2.1 | Copper sulphate pentahydrate | 250 g/kg water-soluble Cu | Water-soluble Cu |
| 2.2 | Copper oxide | 700 g/kg total Cu | Total Cu |
| 2.3 | Copper hydroxide | 450 g/kg total Cu | Total Cu |
| 2.4 | Copper oxychloride | 500 g/kg total Cu | Total Cu, Particle size at least 98% passing through a 0,063 mm sieve |
| 2.5 | Copper oxychloride suspension | 170 g/kg total Cu | Total Cu |
| 2.6 | Copper EDTA chelate | 140 g/kg Cu - solid 117 g/kg Cu - liquid Min 80% chelated | Water-soluble Cu |
| 2.7 | Copper fertilizer in dry form manufactured from 2.1, 2.2, 2.3, 2.4 or 2.5 | 50 g/kg total Cu | Declare components: Total Cu; Soluble Cu optional if water-soluble fraction greater than 25% of total |
| 2.8 | Copper fertilizer in solution manufactured from 2.1, 2.2, 2.3, 2.4 or 2.5 | 30 g/kg water-soluble Cu | Water-soluble Cu; chelated Cu |
| 2.9 | Copper amino acid chelate | 40 g/kg water-soluble Cu A scientifically accepted method to prove chelation should be provided in order to state that it is an amino acid chelate. | Water-soluble Cu |
| 2.10 | Copper frit | 150 g/kg total Cu | Total Cu, Specify "slowly available" |
| 7.3 | Compounds containing IRON (Fe) | | |
| 3.1 | Iron sulphate heptahydrate | 200 g/kg Fe | Water-soluble Fe |

| Product | | Minimum Micro-nutrient concentration - g/kg Other requirements | Declarations of Solubilities and other properties |
|--|--|--|--|
| 1 | 2 | 3 | 4 |
| 3.2 | Iron sulphate monohydrate | 328 g/kg Fe | Water-soluble Fe |
| 3.3 | Iron EDTA chelate | 60 g/kg Fe - solid 40 g/kg Fe - liquid Min 80% chelated | Water-soluble Fe |
| 3.4 | Iron HEDTA | 90 g/kg Fe - solid 78 g/kg Fe - liquid Min 80% chelated | Water-soluble Fe |
| 3.5 | Iron DTPA chelate | 110 g/kg Fe - solid 78 g/kg Fe - liquid Min 80% chelated | Water-soluble Fe |
| 3.6 | Iron EDDHA chelate | 60 g/kg Fe - solid Min 80% chelated HG - at least 60% of the chelate in "ortho-ortho" form. LG - at least 15% of the chelate in the "ortho-ortho" form. | Water-soluble Fe |
| 3.7 | Iron amino acid chelate | 50 g/kg water-soluble Fe. A scientifically accepted method to prove chelation should be provided in order to state that it is an amino acid chelate. | Water-soluble Fe |
| 3.8 | Iron fertilizer in dry form manufactured from 3.1, 3.2, 3.3, 3.4, 3.5 or 3.6 | 50 g/kg total Fe | Declare components: Total Fe, chelated Fe optional |
| 3.9 | Iron Fertilizer in solution manufactured from 3.1, 3.2, 3.3, 3.4, 3.5 or 3.6 | 30 g/kg water-soluble Fe | Water-soluble Fe, % chelated Fe optional |
| 3.10 | Iron frit | 300 g/kg total Fe | Total Fe Specify "slowly available" |
| 7.4 Compounds containing MANGANESE (Mn) | | | |
| 4.1 | Manganese sulphate monohydrate | 170 g/kg water-soluble Mn | Water-soluble Mn |
| 4.2 | Manganese oxide | 400 g/kg total Mn | Total Mn |
| 4.3 | Manganese EDTA chelate | 130 g/kg Mn - solid 82 g/kg Mn - liquid Min 80% chelated | Water-soluble Mn |
| 4.4 | Manganese amino acid chelate | 56 g/kg water-soluble Mn. A scientifically accepted method to prove chelation should be provided in order to state that it is an amino acid chelate. | Water-soluble Mn |
| 4.5 | Manganese fertilizer in dry form manufactured from 4.1, 4.2 or 4.3 | 170 g/kg total Mn | Declare components: Total Mn Soluble Mn optional if water-soluble fraction greater than 25% of total |

| Product | | Minimum Micro-nutrient concentration - g/kg Other requirements | Declarations of Solubilities and other properties |
|--|--|--|--|
| 1 | 2 | 3 | 4 |
| 4.6 | Manganese fertilizer in solution manufactured from 4.1, 4.2 or 4.3 | 30 g/kg water-soluble Mn | Water-soluble Mn, % chelated Mn optional |
| 4.7 | Manganese Frit | 200 g/kg total Mn | Total Mn Specify "slowly available" |
| 7.5 Compounds containing MOLYBDENUM (Mo) | | | |
| 5.1 | Sodium molybdate | 350 g/kg water-soluble Mo | Water-soluble Mo |
| 5.2 | Ammonium molybdate | 500 g/kg water-soluble Mo | Water-soluble Mo |
| 5.3 | Molybdenum fertilizer in dry form manufactured from 5.1 or 5.2 | 350 g/kg water-soluble Mo | Water-soluble Mo |
| 5.4 | Molybdenum fertilizer in solution manufactured from 5.1 or 5.2 | 30 g/kg water-soluble Mo | Water-soluble Mo |
| 7.6 Compounds containing ZINC (Zn) | | | |
| 6.1 | Zinc sulphate heptahydrate | 220 g/kg water-soluble Zn | Water-soluble Zn |
| 6.2 | Zinc sulphate monohydrate | 350 g/kg water-soluble Zn | Water-soluble Zn |
| 6.3 | Zinc nitrate hexahydrate | 220 g/kg - water-soluble Zn | Water-soluble Zn |
| 6.4 | Zinc nitrate hexahydrate solution | 140 g/kg - water-soluble Zn | Water-soluble Zn |
| 6.5 | Zinc oxide | 500 g/kg total Zn | Total Zn |
| 6.6 | Zinc EDTA chelate | 150 g/kg Zn - solid 130 g/kg Zn - liquid Min 80% chelated | Water-soluble Zn |
| 6.7 | Zinc amino acid chelate | 68 g/kg water-soluble Zn A scientifically accepted method to prove chelation should be provided in order to state that it is an amino acid chelate. | Water-soluble Zn |
| 6.8 | Zinc fertilizer in dry form manufactured from 6.1, 6.2, 6.3, 6.4, 6.5 or 6.6 | 300 g/kg total Zn | Declare components: Total Zn Soluble Zn optional if water-soluble fraction greater than 25% of total |
| 6.9 | Zinc fertilizer in solution manufactured from 6.1, 6.2, 6.3, 6.4, 6.5 or 6.6 | 30 g/kg water-soluble Zn | Water-soluble Zn, % chelated Zn optional |
| 6.10 | Zinc Frit | 180 g/kg total Zn | Total Zn, specify "slowly available" |
| Notes relating to table: | | | |
| 1. A chelating agent may be indicated using its abbreviation as set out in Table 10. | | | |
| 2. Where the micro-nutrient is present in chelate form, the pH range in which it is stable must be given. | | | |
| 3. Trade marks may be added to the names in all cases. | | | |
| 4. The combined cation and/or anion, whichever is applicable, must be indicated with the micro-nutrients. | | | |
| 5. Inert filler material may be used in product formulation. | | | |
| 6. The label must contain guidelines/ instructions for application in respect to crop, dosage and method of application. | | | |

47

TABLE 8

**MICRO-ELEMENT MIXTURES:
MINIMUM CONTENT PER ELEMENT IN g/kg**

| ELEMENT | FORM IN WHICH ELEMENT PRESENT | | |
|-----------------|-------------------------------|---------|-------------------|
| | MINERAL | CHELATE | MINERAL & CHELATE |
| 1 | 2 | 3 | 4 |
| Boron (B) | 2 | - | 2 |
| Copper (Cu) | 0,5 | 0,1 | 0,5 |
| Iron (Fe) | 20 | 3 | 20 |
| Manganese (Mn) | 5 | 1 | 5 |
| Molybdenum (Mo) | 0,2 | - | 0,2 |
| Zinc (Zn) | 5 | 1 | 5 |

Notes in respect of Table:

1. Values in table refer to solid and liquid products.
2. Only products complying with the requirements of table 7 may be used in micro-element mixtures.
3. Minimum total micro-element content for:
 Powders/ granular mixtures - 50 g/kg
 Liquid mixtures - 20 g/kg
4. The label must indicate the total and/ or water-soluble content for each micro-element.
5. Guidelines for application in respect of crop, dosage and application method must appear on the label.

TABLE 9

FERTILIZERS THAT CONTAIN BOTH MICRO- AS WELL AS MACRO-ELEMENTS: MINIMUM CONTENT PER MICRO-ELEMENT IN g/kg

| ELEMENT | FOR APPLICATION METHOD | | |
|-----------------|------------------------|---------------|--------------|
| | SOIL APPLICATION | WATER CULTURE | FOLIAR SPRAY |
| 1 | 2 | 3 | 4 |
| Boron (B) | 0,1 | 0,1 | 0,1 |
| Copper (Cu) | 0,1 | 0,02 | 0,02 |
| Iron (Fe) | 5 | 0,2 | 0,2 |
| Manganese (Mn) | 1 | 0,1 | 0,1 |
| Molybdenum (Mo) | 0,01 | 0,005 | 0,005 |
| Zinc (Zn) | 1 | 0,1 | 0,1 |

Notes in respect of Table:

1. Only micro-element products complying with the requirements of Table 7 may be used.
2. Each label must indicate the total and water-soluble amounts.
3. Guidelines for application in respect of crop, dosage and application method must appear on the label.

TABLE 10

APPROVED ORGANIC CHELATING AGENTS

| Chelating Agent | Recognised abbreviation |
|---|-------------------------|
| 1 | 2 |
| Sodium, Potassium or Ammonium salts of: | |
| Ethylenediaminetetraacetic acid | EDTA |
| Diethylenetriaminepentaacetic acid | DTPA |
| [o,o] ethylenediamine-di (o-hydroxyphenyl acetic) acid | EDDHA |
| [o,p] ethylenediamine-di (p-hydroxyphenyl acetic) acid | EDDHA |
| 2-hydroxyethylethylenediaminetriacetic acid | HEEDTA |
| [o,o] ethylenediamine-di (o-hydroxyl-o-methylphenylacetic) acid | EDDHMA |
| [o,p] ethylenediamine-di (o-hydroxy-p-methylphenylacetic) acid | EDDHMA |
| [p,o] ethylenediamine-di (p-hydroxy-o-methylphenylacetic acid) | EDDHMA |
| [2,4] Ethylenediamine di (2-hydroxy-4-carboxyphenylacetic) acid | EDDCHA |
| [2,5] Ethylenediamine di (2-hydroxy-5-carboxyphenylacetic) acid | EDDCHA |
| [5,2] Ethylenediamine di (5-hydroxy-2-carboxyphenylacetic) acid | EDDCHA |

Notes in respect to Table:

1. The list may be augmented with the necessary biological confirmation of efficacy.
2. International chemical abbreviations may be used to indicate the name of the product.

TABLE 11

REQUIREMENTS FOR URBAN WASTE

| PARAMETER | PERMISSIBLE LEVELS | |
|---------------------|--------------------|----------|
| 1 | 2 | |
| Moisture | 400 g/kg | maximum |
| Inorganic materials | 700 g/kg | maximum |
| Plastic | 20 g/kg | maximum |
| Glass (5,6 mm) | 20 g/kg | maximum |
| Organic matter | 150 g/kg | minimum |
| Fatty acids | 2 000 mg/kg | maximum |
| Growth index | 0,6 mg/kg | minimum |
| Ascaris ova | 0 | (Absent) |
| Coliphage | 0 | (Absent) |
| Salmonellae | 0 | (Absent) |

51

TABLE 12

MAXIMUM LEVELS OF POTENTIALLY HARMFUL ELEMENTS PERMITTED IN FERTILIZER PRODUCTS

| <u>ELEMENTS</u> | <u>Maximum inorganic content in mg/kg in dry sewage sludge*</u> | <u>Liming material and other products</u> | <u>Chemically compounded solid fertilizers (NPK) or Straights mg/kg</u> | <u>Chemically compounded liquid fertilizers (NPK) or Straights mg/kg</u> | <u>Foliar & Horticultural fertilizers mg/kg</u> | <u>Micro elements for soil Application mg/kg per 1% macro - nutrient</u> |
|------------------------------|---|---|---|--|---|--|
| Cadmium | 20 | 20 | 20 | 20 | 20 | 2.6 |
| Cobalt | 100 | | | | | |
| Chromium (Cr ⁶⁺) | 1750 | 1750 | 1750 | 1750 | 1750 | |
| Copper | 750 | 750** | 750** | 750** | 750** | |
| Mercury | 10 (20) | 10 (20) | 10 (20) | 10 (20) | 10 (20) | 1.3 |
| (20) | 25 | | | | | |
| Nickel | 200 | 200 | 200 | 200 | 200 | |
| Lead | 400 | 400 | 400 | 400 | 200 | 128.2 |
| Zinc | 2750 | 2750** | 2750** | 2750** | 2750** | |
| Arsenic | 15 | 20 (50) | 20 (50) | 20 (50) | 20 (50) | 12.8 |
| Selenium | 15 | 15 | 15 | 15 | 15 | |
| Boron | 80 | | | | | |
| Fluorine | 400 | | | | | |

*User must be informed about the moisture and N P K content and must be warned that not more than 8 t/ha/year (or 110 kg/ m²) (dry sewage sludge) may be applied to soil and that the pH of the soil should be higher than 6.5. (In the event that there are guidelines by Department of Water & Environmental Affairs to sewage sludge, the applicant must adhere to such guidelines before the application can be evaluated)

**Except where they are applied as sources of micro-nutrient.

TABLE 13

REQUIREMENTS FOR GUANO AND OTHER PRODUCTS DERIVED FROM ANIMAL ORIGIN

| | Minimum nitrogen content | Minimum of sum of nitrogen, total phosphorus and total potassium content | Further requirements | Particulars of plant nutrients to be indicated |
|--------------------|--------------------------|--|---|--|
| 1 | 2 | 3 | 4 | 5 |
| | g/kg | g/kg | | |
| Guano | 70 | 120 | Shall consist mainly of the excreta of sea birds | (i) Nitrogen content (N) |
| Phosphate guano | 30 | 100 | | (ii) Total phosphorus content P |
| | | | | (iii) Total potassium content K |
| Carcass meal | 60 | 100 | Shall be of animal origin and be sterilized according to an approved method under Regulations regarding Sterilizing Plants. | |
| Hoof and horn meal | 60 | 100 | | |
| Bonemeal | 40 | 100 | | |

TABLE 14

ENRICHED ORGANIC AND ORGANIC FERTILIZER

| NAME OF PRODUCT | METHOD OF MANUFACTURE | MINIMUM NUTRIENT CONTENT; OTHER REQUIREMENTS | MINIMUM NITROGEN CONTENT | DECLARATION OF FORMS, SOLUBILITIES AND OTHER NORMS | | |
|--|---|---|--------------------------|--|---|---------------|
| | | | | N | P | K |
| 1 | 2 | TOTAL 3 | PER ELEMENT 4 | 5 | 6 | 7 |
| Organic fertilizer or organic fertilizer mixture | A product formed by mixing the different organic fertilizers, without addition of inorganic fertilizers | 40 g/kg | None specific | None specific | Citric acid solution P Optional Total P | None Specific |
| Enriched organic fertilizer | A product that is formed by mixing organic and inorganic fertilizers; with an organic component of at least 500 g/kg (C x 1,72) | 100 g/kg | 10 g/kg | Total N | Citric acid soluble P (optional) Total P If raw phosphate is a component of the mixture, the application for registration must specify the fineness and origin of the raw phosphate and citric soluble P must be given. | Total K |
| Mixture name depends on total N, P and K. The type/origin of the organic component must be declared with an optional declaration of the organic content. | | | | | | |

TABLE 15

REQUIREMENTS FOR AGRICULTURAL LIME MATERIAL (OVEN DRY BASIS)

| 1 | 2 | | 3 | | 4 | 5 | | 6 | | 7 | | 8 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------------------------|-------------------|-------------|-------------------|-------------|------------------------|----------------|---|
| NAME OF LIMING MATERIAL | CALCIUM | | MAGNESIUM | | S ₁ O ₂ | CaCO ₃ | | MgCO ₃ | | Ca and Mg | | CCE (Strong acid) KKE (sterk-suur) |
| | Min g/kg | Max g/kg | Min g/kg | Max g/kg | | Min g/kg | Max g/kg | Min g/kg | Max g/kg | Oxides Min. g/kg | Hydro xides | Min % |
| Calcitic agricultural lime | | | | 43 | | | | | | | | 70 |
| Dolomitic agricultural lime | | | 43 | | | | | | | | | 70 |
| Magnesite | | 10 | 275 | | | | 25 | 970 | | | | 70 |
| Calcite | 380 | | | 9 | | 950 | | | 35 | | | 70 |
| Unslaked calcitic agricultural lime | | | | 43 | | | | | | 700 | | 70 |
| Slaked calcitic agricultural lime | | | | 43 | | | | | | | 700 | 70 |
| Unslaked dolomitic agricultural lime | | | 43 | | | | | | | 700 | | 70 |
| Slaked dolomitic agricultural lime | | | 43 | | | | | | | | 700 | 70 |
| Shell lime | | | | 43 | | | | | | | | 70 |
| Slags and silicates | | | | | 300 | | | | | | | |
| Magnesian agricultural lime | | | 190 | | | | | | | | | 70 |

55

TABLE 16

PERMISSIBLE DEVIATIONS IN MAIN AND SECONDARY ELEMENTS IN INORGANIC FERTILIZER MIXTURES

| REGISTERED PLANT NUTRIENT CONTENT, E % | DEVIATION (D) FROM E PERMITTED | RELATIVE DEVIATION (RD) FROM E PERMITTED |
|--|-----------------------------------|--|
| 1 | 2 | 3 |
| 1 | 0,25 | 25,0 |
| 2 | 0,30 | 14,9 |
| 3 | 0,34 | 11,5 |
| 4 | 0,39 | 9,8 |
| 5 | 0,44 | 8,8 |
| 6 | 0,48 | 8,1 |
| 7 | 0,53 | 7,6 |
| 8 | 0,58 | 7,2 |
| 9 | 0,63 | 6,9 |
| 10 | 0,67 | 6,7 |
| 12 | 0,77 | 6,4 |
| 14 | 0,86 | 6,1 |
| 16 | 0,95 | 6,0 |
| 18 | 1,05 | 5,8 |
| 20 | 1,14 | 5,7 |
| 25 | 1,38 | 5,5 |
| 30 | 1,61 | 5,4 |
| 35 | 1,84 | 5,3 |
| 40 | 2,08 | 5,2 |

Values not given in the table can be derived from the following formula:

$$D = 0,046875E + 0,203125$$

$$RD = \frac{20,3125}{E} + 4,6875 = \frac{D}{E} \times 100$$

* N, P, K, Ca, Mg and/ or S

** Including ammonified superphosphate

56
TABLE 17

PERMISSIBLE DEVIATIONS IN MAIN AND SECONDARY ELEMENTS IN CHEMICALLY COMPOUNDED FERTILIZERS

| REGISTERED PLANT NUTRIENT CONTENT, E % | DEVIATION (D) FROM E PERMITTED | RELATIVE DEVIATION (RD) FROM E PERMITTED % |
|--|--------------------------------|---|
| 1 | 2 | 3 |
| 5 | 0,47 | 9,4 |
| 6 | 0,49 | 8,1 |
| 7 | 0,50 | 7,2 |
| 8 | 0,52 | 6,5 |
| 9 | 0,54 | 6,0 |
| 10 | 0,55 | 5,6 |
| 12 | 0,59 | 4,9 |
| 14 | 0,62 | 4,5 |
| 16 | 0,66 | 4,1 |
| 18 | 0,69 | 3,9 |
| 20 | 0,73 | 3,6 |
| 25 | 0,82 | 3,3 |
| 30 | 0,90 | 3,0 |
| 35 | 0,99 | 2,8 |
| 40 | 1,08 | 2,7 |
| 45 | 1,16 | 2,6 |
| 50 | 1,25 | 2,5 |

Values not given in the table can be derived from the following formula:

$$D = 0,01738 \cdot E + 0,3810$$

$$RD = \frac{38,10}{E} + 1,738 = \frac{D}{E} \cdot 100$$

* N, P, K, Ca, Mg and S

57

TABLE 18

PERMISSIBLE DEVIATIONS IN ADDED MICRO-ELEMENTS IN FERTILIZER MIXTURES

| REGISTERED MICRO-ELEMENT CONTENT (E) % | DEVIATION (D) FROM E PERMITTED | RELATIVE DEVIATION (RD) FROM E PERMITTED % |
|---|--------------------------------|---|
| 1 | 2 | 3 |
| 0,10 | 0,040 | 40,0 |
| 0,25 | 0,075 | 30,0 |
| 0,50 | 0,133 | 26,7 |
| 0,75 | 0,192 | 25,6 |
| 1,00 | 0,250 | 25,0 |

Values not given in the table can be derived from the following formula:

$$D = 0,233333 E + 0,016667$$

$$RD = \frac{1,6667}{E} + 23,3333 = \frac{D}{E} \times 100$$

TABLE 19

FERTILIZERS IN CONTAINERS

| NUMBER OF CONTAINERS IN SAMPLED PORTION | NUMBER OF CONTAINERS TO BE SELECTED FOR SAMPLING |
|---|--|
| 1 | 2 |
| 1 to 7 | All containers |
| 8 to 49 | Not less than 7 |
| 50 to 64 | Not less than 8 |
| 65 to 81 | Not less than 9 |
| 82 to 100 | Not less than 10 |
| 101 to 121 | Not less than 11 |
| 122 to 144 | Not less than 12 |
| 145 to 169 | Not less than 13 |
| 170 to 196 | Not less than 14 |
| 197 to 225 | Not less than 15 |
| 226 to 256 | Not less than 16 |
| 257 to 289 | Not less than 17 |
| 290 to 324 | Not less than 18 |
| 325 to 361 | Not less than 19 |
| 362 and above | Not less than 20 |

TABLE 20

LOOSE FERTILIZERS

| SIZE OF SAMPLED PORTION IN TONS | NUMBER OF INCREMENTAL SAMPLES REQUIRED |
|--|--|
| 1 | 2 |
| Up to and including 2.5 | Not less than 7 |
| Greater than 2.5 and up to and including 3 | Not less than 8 |
| Greater than 3 and up to and including 4 | Not less than 9 |
| Greater than 4 and up to and including 5 | Not less than 10 |
| Greater than 5 and up to and including 6 | Not less than 11 |
| Greater than 6 and up to and including 7 | Not less than 12 |
| Greater than 7 and up to and including 8 | Not less than 13 |
| Greater than 8 and up to and including 9 | Not less than 14 |
| Greater than 9 and up to and including 11 | Not less than 15 |
| Greater than 11 and up to and including 12 | Not less than 16 |
| Greater than 12 and up to and including 14 | Not less than 17 |
| Greater than 14 and up to and including 16 | Not less than 18 |
| Greater than 16 and up to and including 18 | Not less than 19 |
| Greater than 18 and up to and including 20 | Not less than 20 |
| Greater than 20 and up to and including 22 | Not less than 21 |
| Greater than 22 and up to and including 24 | Not less than 22 |
| Greater than 24 and up to and including 26 | Not less than 23 |
| Greater than 26 and up to and including 28 | Not less than 24 |
| Greater than 28 and up to and including 31 | Not less than 25 |
| Greater than 31 and up to and including 33 | Not less than 26 |
| Greater than 33 and up to and including 36 | Not less than 27 |
| Greater than 36 and up to and including 39 | Not less than 28 |
| Greater than 39 and up to and including 42 | Not less than 29 |
| Greater than 42 and up to and including 45 | Not less than 30 |
| Greater than 45 and up to and including 48 | Not less than 31 |

| SIZE OF SAMPLED PORTION IN TONS | NUMBER OF INCREMENTAL SAMPLES REQUIRED |
|--|--|
| 1 | 2 |
| Greater than 48 and up to and including 51 | Not less than 32 |
| Greater than 51 and up to and including 54 | Not less than 33 |
| Greater than 54 and up to and including 57 | Not less than 34 |
| Greater than 57 and up to and including 61 | Not less than 35 |
| Greater than 61 and up to and including 64 | Not less than 36 |
| Greater than 64 and up to and including 68 | Not less than 37 |
| Greater than 68 and up to and including 72 | Not less than 38 |
| Greater than 72 and up to and including 76 | Not less than 39 |
| Greater than 76 | Not less than 40 |

61
TABLE 21
LIQUID FERTILIZERS

| NUMBER OF CONTAINERS IN SAMPLED PORTION | NUMBER OF CONTAINERS TO BE SELECTED FOR SAMPLING |
|---|--|
| 1 | 2 |
| 1 to 3 | All containers |
| 4 to 20 | Not less than 4 |
| 21 to 60 | Not less than 6 |
| 61 to 100 | Not less than 8 |
| 101 to 400 | Not less than 10 |
| More than 400 | Not less than 20 |

ANNEXURE C

APPROVED PORTS OF ENTRY

| Land boarder posts | International Airports | International harbours | Inland |
|--------------------|------------------------|------------------------|------------------|
| Beitbridge | Cape Town | Cape Town | Johannesburg |
| Caledonspoort | Durban | Durban | Kimberly |
| Ficksburg | Gateway (Polokwane) | East London | Pretoria |
| Golela | OR Tambo | Mossel Bay | Mmabatho |
| Groblersburg | Lanseria | Port Elizabeth | Pietermaritzburg |
| Kapfontein | Port Elizabeth | Richards Bay | Upington |
| Jeppesreef | Richards Bay | Saldanha Bay | Bloemfontein |
| Lebombo | Upington | | Stellenbosch |
| Mahamba | Bloemfontein | | Germiston |
| Mananga | Mafikeng | | |
| Maseru bridge | | | |
| Nakop | | | |
| Nerston | | | |
| Oshoek | | | |
| Qachas' Nek | | | |
| Ramatlabana | | | |
| Skilpadshek | | | |
| Van Rooyenshek | | | |
| Vioolsdrif | | | |



agriculture, forestry & fisheries

Department:
Agriculture, forestry & fisheries
REPUBLIC OF SOUTH AFRICA

PRIVATE BAG X343, PRETORIA, 0001

CERTIFICATE IN RESPECT OF THE TAKING OF SAMPLES IN TERMS OF SECT. 15 OF ACT 36/1947

Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947)
(To be completed in quintuplicate †)

It is hereby certified that the accompanying sample of fertilizer, identified by the above serial number, was taken by me on the day of 20..... at in the presence of (Name of owner/person in charge of stocks/witness) from the stock of (Name and address of seller)

PARTICULARS OF FERTILIZER FROM WHICH SAMPLE WAS TAKEN

1. Name of registration holder
2. Trade name#
3. Name of product#
4. Registration number#

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

 Act 36/1947
5. Composition#
- 5.1 Fertilizer: N: P: K: Zn: other
6. Condition of container from which sample was taken
7. Estimated quantity of fertilizer from which sample was taken:
- 7.1 Number of containers: 7.2 Capacity of containers: kg/l
8. Remarks.....
.....
.....
.....
.....

Signature of witness

Registrar

† One copy shall accompany each of the three parts of the sample and the fifth copy shall be kept by the officer who took the sample.

Shall be the particulars as indicated on the label affixed to the containers from which the sample was taken or as it is marked on such containers, or if the article which is sampled, is not sold in containers, as it appears on the invoice is supplied together with that article.

ANNEXURE E**SAMPLING OF FERTILIZERS****A. General instructions for the taking of samples**

1. Samples for the purpose of the Act must only be taken by the Registrar or his delegate and any authorised person in terms of the Act.
2. In the case of fertilizer in containers, only unopened containers must be selected for the purpose of sampling.
3. The sample must be taken and prepared as quickly as possible taking precautions to ensure that it remains representative of the sampled portion. Instruments, surfaces and containers used in sampling must be clean and dry.
4. No sample must be drawn from any part of the sampled portion, which appears to be damaged.
5. When lumps are naturally present in a fertilizer, they must be broken up and mixed with the quantity from which a sample is to be drawn.
6. An inspector who intends to take a sample on premises must:
 - (a) satisfy himself that the conditions in which the fertilizer is stored are not such as might cause undue deterioration of the said fertilizer and that the fertilizer appears not to have been contaminated by any other material;
 - (b) where he has reasonable cause to believe that fertilizer in containers is only part of an original consignment, select the number of containers to be sampled as if not less than the whole consignment, were still present, except that sampling shall not take place if fewer than the minimum number of containers prescribed in Table 19 of these Regulations shall be available.
7. The sampling apparatus must be made of materials which cannot affect the characteristics of the fertilizer to be sampled.
8. In the case of a sampling spear its dimensions shall be appropriate to the characteristics of the sampled portion in all respects including dimensions of the container and particle size of the fertilizer.

A shuttered sampling spear, consisting of two metal tubes, one of which is a close sliding fit, inside the other, shall be used.

The inner diameter shall be at least 15 mm. Down one side of the outer tube, a series of slots is cut with a corresponding series of slots cut on one side of the inner tube. The width of the slots shall be at least 12 mm and the combined length of the slots must exceed 75% of the total sampling length of the spear.

When sampling, the spear is inserted diagonally through the whole width of the container, with the slots closed. The inner tube is then rotated to open the slots and the spear tapped and worked about to encourage material to flow through the slots. The inner tube is then rotated to close the slots and the spear withdrawn. The sample is emptied into a suitable container.
9. Notwithstanding the provisions of these Regulations, a sampling spear must not be used if, prior to the taking of a sample, objection is raised thereto by the manufacturer on the grounds that the material is unsuitable.
10. Mechanical apparatus may be used for the sampling of moving fertilizers, if the apparatus is capable of taking samples right across the flow of the product.

11. Apparatus designed to divide the sample into approximately equal parts may be used for taking incremental samples and for the preparation of reduced and final samples.
12. A sample taken in accordance with the methods described in Paragraph C must be deemed to be representative of the sampled portion.
13. When a sample is taken at a plant or elsewhere than a plant in terms of Section 15(1) of the Act, the person in charge of the undertaking or an officer as intended and authorised in terms of Section 2(2)(a) of the Act shall take such sample using the methods described in part IV hereof: Provided that should the holder of the registration, his employee or agent sign the certificate relating to the sample taken, the method of sampling cannot become the subject of dispute.

B. Quantitative requirements

1. Sampled portion

Sample portion must be identified and specified on site in conjunction with manufacturer/supplier. Such sampled portion must be such that each of its constituent parts can be sampled in accordance with the requirements of this Regulation.

2. Incremental sample

The incremental samples must be selected in the following manner:

- (a) in the case of solid fertilizers in containers -
 - (i) where the content of each of the containers in the sampled portion is more than 1 kg in mass the number of containers must be selected in accordance with Table 20 of these Regulations;
 - (ii) where the content of each of the containers in the sampled portion does not exceed 1 kg in mass, the number of containers must be selected in accordance with Table 19 of these Regulations, except that the number selected shall not be less than four;
- (b) in the case of loose solid fertilizers the number of incremental samples must be selected in accordance with Table 20 of these Regulations;
- (c) in the case of fluid fertilizer -
 - (i) where each container in the sampled portion contains not more than 100 litres the number of containers must be selected in accordance with Table 21 of these Regulations;
 - (ii) where each container in the sampled portion contains more than 100 litres an incremental sample must be drawn from each container.

3. Composite sample

The appropriate mass or volume of the composite sample must not be less than the following:

- (a) solid fertilizers in container -

| | |
|------------------------------------|-----------------------------|
| (i) containers of more than 1 kg | 3 kg (6 kg for bulk blends) |
| (ii) containers not exceeding 1 kg | 3 kg |
- (b) loose solid fertilizers 3 kg (6 kg for bulk blends)
- (c) fluid fertilizers -

| | |
|---|----------|
| (i) containers exceeding 250 000 litres | 5 litres |
|---|----------|

66

- | | | |
|-------|---|----------|
| (ii) | containers exceeding 1 litre but not exceeding 250 000 litres | 4 litres |
| (iii) | containers not exceeding 1 litre | 2 litres |

4. Final sample (i.e. identical sub-samples)

The appropriate mass or volume of each final sample must not be less than the following:

- | | | |
|-----|-------------------|------------------------------------|
| (a) | solid fertilizers | 1 000 g (2 000 g for bulk blends); |
| (b) | fluid fertilizers | 500 cm ³ |

C. Taking and preparation of samples**1. Incremental samples**

Incremental samples of approximately equal sizes must be taken at random throughout the whole sampled portion in the following manner:

- (a) in the case of solid fertilizers in containers
 - (i) having selected the required number of containers for sampling in accordance with paragraph B 2(a), part of the content of each selected container must be taken as the incremental sample, except in the case of material to which subparagraph (iv) of this paragraph applies;
 - (ii) where necessary, each selected container must be emptied and worked up with a shovel separately and one shovelful taken as the incremental sample;
 - (iii) when the material is of a suitable nature the incremental sample may be taken from each selected container by means of a sampling spear or by divider;
 - (iv) when the material is so packed or of such a nature that a shovel or spear or divider cannot be used, or where the content of the container does not exceed 1 kg, the whole container shall be taken as the incremental sample;
 - (v) where the fertilizer is in a coarse or lumpy condition incremental samples must be taken in accordance with subparagraph (ii) or (iv) of this paragraph where appropriate. These must be crushed immediately and the whole sample passed through a standard sieve with 5,6 mm apertures;
 - (vi) where the fertilizer consists of bulky material, uneven in character and likely to get matted together, each selected package must be emptied separately and the matted portions be broken up and the whole of the contents of each package must be thoroughly mixed. The incremental samples must then be taken in accordance with subparagraph (ii) or (iv) of this paragraph where appropriate;
- (b) in the case of loose solid fertilizers -
 - (i) sampling in the stationary state is not recommended;
 - (ii) when sampling is being carried out while the material comprising the sampled portion is in motion, the incremental samples shall be taken from the approximately equal parts as required in Table 20 of these Regulations at equal time intervals;
 - (iii) where the fertilizer is in a coarse or lumpy condition, or consists of bulky material, uneven in character and likely to get matted together, the incremental samples must be taken in accordance with the relevant provisions of paragraph C1(a)(v) or (vi), where appropriate;
- (c) in the case of fluid fertilizers in containers each containing not more than 100 litres, the number of containers to be selected must be taken in accordance with Table 21 of these Regulations and -
 - (i) where each container contains not more than 1 litre the entire contents of the selected containers must be transferred into a clean dry vessel of suitable material;

67

- (ii) where each container contains more than 1 litre and not more than 100 litres the selected containers shall be well shaken or the contents agitated or otherwise treated to ensure uniformity. An approximately equal proportion of fluid shall then be taken immediately from each of the selected containers and transferred into a clean dry vessel of suitable material;
- (d) in the case of fluid fertilizers in containers each containing more than 100 litres -
 - (i) when a consignment is being withdrawn from the container and there is a tap in the outlet pipe from which it is suitable to draw a sample, a quantity of not less than 4 litres must be drawn from the tap (after first withdrawing sufficient to remove any residues in the pipe) into a clean dry vessel of suitable material made up of portions not less than 0,5 litres and of approximately equal size taken at regular intervals;
 - (ii) if the liquid is homogeneous, about 1 litre must be drawn from a convenient outlet in the container (after first withdrawing sufficient to remove any residues in the outlet) into a clean dry vessel of suitable material;
 - (iii) if the liquid is not homogeneous, the contents must be well stirred or otherwise agitated and sampling must then proceed as in subparagraph (ii),
 - (iv) if it is not possible to make the liquid homogenous, in the manner described in subparagraph (iii), or if the inspector considers that the procedure in subparagraphs (d), (ii) and (iii) may not be appropriate, the contents must be sampled by using the modified Indiana sampler. The appropriate process must be repeated until a quantity of not less than 4 litres has been withdrawn; or
 - (v) where a sampled portion consists of two or more containers, incremental samples of approximately equal size must be taken from each, drawn in the manner described in subparagraphs (d), (ii), (iii) or (iv), where appropriate, and must be placed in a clean dry vessel of suitable material.
- (e) If increments are taken by sampling spear, not less than two cores per sampling point must be taken to give not less than 12 cores.

2. Composite sample

The incremental samples must be combined and thoroughly mixed to form a single composite sample. In the case of solid fertilizers the material in the composite sample must be carefully mixed to obtain a homogenised sample. Any lumps inconsistent with the nature of the material must be broken up (if need be by separating them out and returning them to be the composite sample).

3. Reduced sample

- (a) In the case of solid fertilizers the composite sample must, if necessary, be reduced to not less than given in paragraph B in the following manner:
 - (i) the material must be heaped to form a "cone", which must then be flattened and quartered. Two diagonally opposite quarters must be rejected and the remainder must then be mixed and the quartering and rejection contained as necessary; or
 - (ii) the reduction method effected by the use of a mechanical device.
- (b) In the case of fluid fertilizers, the composite sample consists of approximately 2 litre may be taken as the reduced sample. In all other cases the composite sample must be thoroughly mixed and a quantity of at least 2 litres transferred immediately into a clean dry vessel of suitable material.

4. Final samples

The final samples must be obtained in the following manner:

- (a) in the case of solid fertilizers, the reduced sample or where necessary the composite sample must be thoroughly mixed and divided into three equal parts, and each part placed in an appropriate airtight container;
- (b) in the case of fluid fertilizers the reduced sample or where necessary the composite sample must be thoroughly mixed and immediately divided into approximately equal parts by pouring successive portions into appropriate airtight containers. The containers used must be such that the characteristics of the fertilizer at the time of sampling are preserved. The final sample must be kept at temperatures below 25 degrees Celsius.

D. Marking, sealing and fastening up of the final sample

1. Each container of a final sample must be secured and sealed by the person taking the sample so that the container cannot be opened without breaking the seal.
2. A label must be attached to the container and must be marked with the following particulars, which must not be hidden by the seal:
 - (a) name of the inspector as well as the department to which he belongs;
 - (b) identification mark given by the inspector to the sample;
 - (c) place of sampling;
 - (d) date of sampling;
 - (e) name of the material; and
 - (f) identification code, batch reference number or consignment identification of the material sampled, where readily available.

NOTICE 161 OF 2011

DEPARTMENT OF LABOUR

LABOUR RELATIONS ACT, 1995

REGISTRATION OF A TRADE UNION

I, Johannes Theodorus Crouse, Registrar of Labour Relations, hereby notify, in terms of section 109(2) of the Labour Relations Act, 1995, that the **South African Amalgamated and Intergrated Workers Union (SAA&IWU)** has been registered as a trade union with effect from**11 March 2011**.....

J. T. Crouse
REGISTRAR OF LABOUR RELATIONS

NOTICE 162 OF 2011**DEPARTMENT OF LABOUR****LABOUR RELATIONS ACT, 1995****INTENTION OF CANCELLATION OF REGISTRATION OF A TRADE UNION**

I, Johannes Theodorus Crouse, Registrar of Labour Relations, hereby, in terms of section 106(2B) give notice of my intention to cancel the registration of **South African Domestic Service & Allied Workers Union (SADSAWU) (LR 2/6/6/1225)** for the following reasons:

- The trade union has ceased to function in terms of its constitution.
- The trade union did not comply with the provisions of section 98, 99 and 100 of the Act [Section 106(2A)(b)].
- The trade union is not independent.

All interested parties are hereby invited to make written representations as to why the registration should not be cancelled. **Only representations pertaining to this Notice and the following case number: 2010/11 will be considered.**

Objections must be lodged to me, c/o the Department of Labour, Laboria House, 215 Schoeman Street, PRETORIA. [Postal address: Private Bag X117, PRETORIA, 0001 – Fax No. (012) 309 4156/4848, within 60 days of the date of this notice.



REGISTRAR OF LABOUR RELATIONS

NOTICE 163 OF 2011**DEPARTMENT OF LABOUR****LABOUR RELATIONS ACT, 1995****NOTICE OF INTENTION TO CANCEL THE REGISTRATION OF AN
EMPLOYERS' ORGANISATION**

I, Johannes Theodorus Crouse, Registrar of Labour Relations, hereby, in terms of section 106(2B) give notice of my intention to cancel the registration of the **Beauty, Health and Skincare Employers' Organisation (BHSEA)** for the following reasons:

- The organisation did not comply with the provisions of Sections 98, 99 and 100 of the Act [Section 106(2A)(b)]
- The organisation is not functioning in terms of its constitution

All interested parties are hereby invited to make written representations as to why the registration should not be cancelled. **Only representations pertaining to this Notice will be considered. All correspondence should refer to case number 236/2010.**

Objections must be lodged to me, c/o the Department of Labour, Laboria House, 215 Schoeman Street, PRETORIA. [Postal address: Private Bag X117, PRETORIA, 0001 – Fax No. (012) 309 4156/4595], within 60 days of the date of this notice.

J.T. CROUSE

REGISTRAR OF LABOUR RELATIONS

NOTICE 164 OF 2011

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)

Notice is hereby given in terms of section 11(1) of the restitution of land rights act, 1994 (Act No. 22 of 1994 as amended), that a claim for restitution of land rights on:

| REF NO. | CLAIMANT | PROPERTY | DEED OF TRANSFER | DISTRICT | INTERESTED PARTIES |
|---------|---------------------------|--|------------------|----------|--|
| IJ 008 | Elizabeth Magdeline Moses | One half share in and Lot No. 7 situated on Paul Street Township of Newlands | T 11004/1944 | Pretoria | Department of Rural Development and Land Reform Claimant Elizabeth Magdeline Moses Co Claimants David Coverwell and Current Land Owners |

has been submitted to the Regional Land Claim Commissioner for Gauteng and North West Province and that the Commission on Land Rights will investigate the claim in terms of the provisions of the Act in due course. Any person who has an interest in the above-mentioned land is hereby invited to submit, within 21 days from the publication of this notice, any comments/information to:

The Regional Land Claims Commissioner: Gauteng & North West Provinces
Private Bag X 03
ARCADIA
0007
TEL: (012) 310 -6500
FAX: (012) 324 -5812

I S SEBOKA
COMMISSION ON RESTITUTION OF LAND RIGHTS
GAUTENG & NORTH WEST PROVINCES

NOTICE 165 OF 2011

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)

Notice is hereby given in terms of section 11(1) of the restitution of land rights act, 1994 (Act No. 22 of 1994 as amended), that a claim for restitution of land rights on:

| REF NO. | CLAIMANT | PROPERTY | DEED OF TRANSFER | DISTRICT | INTERESTED PARTIES |
|---------|---------------------------|--|------------------|----------|---|
| IJ 010 | Elizabeth Magdeline Moses | One half share in and Lot No. 12 situated on Paul Street in Township of Newlands | T47070/1967 | Pretoria | Department of Rural Development and Land Reform Claimant Elizabeth Magdeline Moses Co Claimant David Coverwell Current Land Owners |

has been submitted to the Regional Land Claim Commissioner for Gauteng and North West Province and that the Commission on Land Rights will investigate the claim in terms of the provisions of the Act in due course. Any person who has an interest in the above-mentioned land is hereby invited to submit, within 21days from the publication of this notice, any comments/information to:

The Regional Land Claims Commissioner: Gauteng & North West Provinces

Private Bag X 03

ARCADIA

0007

TEL: (012) 310 -6500

FAX: (012) 324 -5812

I S SEBOKA

COMMISSION ON RESTITUTION OF LAND RIGHTS

GAUTENG & NORTH WEST PROVINCES

NOTICE 166 OF 2011

**DEPARTMENT OF TRANSPORT
AIR SERVICE LICENSING ACT, 1990 (ACT NO.115 OF 1990)
APPLICATION FOR THE GRANT OR AMENDMENT OF DOMESTIC AIR
SERVICE LICENCE**

Pursuant to the provisions of section 15 (1) (b) of Act No. 115 of 1990 and Regulation 8 of the Domestic Air Regulations, 1991, it is hereby notified for general information that the application detail of which appear in the appendix, will be considered by the Air Service Licensing Council. Representation in accordance with section 15 (3) of the Act No. 115 of 1990 in support of, or in position, an application, should reach the Air Service Licensing Council. Private Box X 193, Pretoria, 0001, within 21 days of date of the publication thereof.

APPENDIX II

(A) Full Name and trade name of the applicant. (B) Full business or residential address the applicant. (C) The Class and number of license in respect of which the amendment is sought (D) Type of air service and the amendment thereto which is being applied for (E) Category of aircraft and the amendment thereto which is being applied for. (F) Amendment referred to in section 14(2) (b) to (e).

(A) Helicopter and Airplane Logistical Operations (Pty) Ltd; HALO. (B) Hanger 23, Lanseria International Airport. (C) Class III; G989D. (D) Type G2, G3, G7, G10 and G15. (E) Category H1 and H2. **Adding category A2, A3 and A4.**

(A) SKA South Africa Aircraft Leasing (Pty) Ltd; SKA SA. (B) Hanger No. 200, Gate 7, Lanseria Airport, Lanseria. (C) Class II; N641D. (D) Type N1 and N2. (E) Category H2. **Adding category H1**

NOTICE 167 OF 2011

PPECB - BOARD NOTICE
PERISHABLE PRODUCTS EXPORT CONTROL BOARD
PERISHABLE PRODUCTS EXPORT CONTROL ACT, 1983
IMPOSITION OF LEVIES ON PERISHABLE PRODUCTS

In terms of section 17(i) of the Perishable Products Export Control Act, 1983 (Act No.9 of 1983), the Board hereby imposes the following levies, in respect of each of the under mentioned perishable products, as defined in section 1 (l) of the above mentioned Act, which may be exported from the Republic of South Africa. These levies will be valid from 1 April 2011 until further notice.

SEA LEVIES

| | | |
|---|------------------------------------|---------------|
| Conventional (break-bulk) | R 9.70 | per pallet |
| Containerised harbour | R 258 | per container |
| Containerised inland | R 330 | per container |
| Containerised at two loading points | R 654 | per container |
| Under Cold Treatment Protocols – Conventional | R 18.40 | per pallet |
| Under Cold Treatment Protocols – Containerised | R 532 | per container |
| RMT loading/off-loading | R 8.90 | per pallet |
| Products exported by air | 1,5 cents | per kilogram |
| After hour callouts (see definition under HOUR rates) | Hour and kilometre rates as listed | |

- All levies by kilogram will be based on gross weight.
- In all instances where a service is delivered and unit rates are not sufficient to cover costs, PPECB will retain the right to, at its discretion, charge hour and or kilometre rates as listed instead of or in addition to the published fees above. For administrative purposes hour and kilometre rates may be adapted to an equivalent tariff per unit.

CONTAINER INSPECTION LEVIES

| | <u>Week-days</u> | <u>Week-ends/ Public Holidays</u> |
|------------------------|------------------|-----------------------------------|
| Cleanliness inspection | R 12.15 per unit | R 24.30 per unit |
| Technical inspection | R 12.15 per unit | R 24.30 per unit |
| Full inspection | R 24.30 per unit | R 48.60 per unit |

After hour callouts (see definition under HOUR rates) Hour and kilometre rates as listed or Weekend rates as above

- In all instances where a service is delivered and unit rates are not sufficient to cover costs, PPECB will retain the right to, at its discretion, charge hour and or kilometre rates as listed instead of or in addition to the published fees above. For administrative purposes hour and kilometre rates may be adapted to an equivalent tariff per unit.

OTHER LEVIES

The fees listed below exclude any travelling and incidental costs, which will be charged for separately.

| | |
|--|---|
| Calibration of vessel temperature recording equipment | R 9,370 per vessel (depending on the number of cooling compartments). |
| Inspection and registration of Refrigerated Road Motor Transport | R 366.00 per vehicle inspected (depending on structure of vehicle). |
| Stuffing report | R 168.00 per request |
| Redo of special shipment documentation | R 366.00 per request |
| Inspection and registration of Cold Storage Facilities | Hour and kilometre rates as listed |
| Calibration of onboard container data loggers and portable data loggers for use in sterilisation shipments | R 52.00 per calibration |
| Temperature monitoring probes for conventional shipments | R 144.00 per probe |
| Administration fee for document retrieval | R 144.00 per retrieval and/or hour rates as listed |
| Food Safety Certification Audit | R 2,630.00 per audit |

- In all instances where a service is delivered and unit rates are not sufficient to cover costs, PPECB will retain the right to, at its discretion, charge hour and or kilometre rates as listed instead of or in addition to the published fees above. For administrative purposes hour and kilometre rates may be adapted to an equivalent tariff per unit.

AGRICULTURAL PRODUCT STANDARDS

In terms of section 17(l) of the Perishable Products Export Control Act, 1983 (Act No. 9 of 1983), and by virtue of the Board's appointment as Assignee in terms of Regulation 1978 of the Agricultural Products Standards Act, 1990 (Act No. 119 of 1990), the Board hereby imposes the following levies and tariffs in respect of each of the products specified in the tables, which may be exported from the Republic of South Africa. These levies will be valid from 1 April 2011 until further notice.

INSPECTION LEVIES (AGRICULTURAL PRODUCT STANDARDS)

| <u>Products</u> | <u>Inspection Fee</u> |
|---|---|
| Avocados (less than 5 kilograms) | 21.70 cents per container in a consignment |
| Avocados (more than 5 kilograms) | 43.40 cents per container in a consignment |
| Avocados (less than 5 kilograms) – Harbour* | 18.20 cents per container in a consignment |
| Avocados (more than 5 kilograms) – Harbour* | 36.40 cents per container in a consignment |
| Canned products | 1.00 cent per kg or part thereof in a consignment |
| Citrus fruit (less than 5 kilograms) | 16.20 cents per container in a consignment |
| Citrus fruit (more than 5 kilograms) | 40.50 cents per container in a consignment |
| Citrus fruit in bulk bins | 40.50 cents per 15,2 kilograms or part thereof |
| Citrus fruit (less than 5 kilograms) – Harbour* | 13.60 cents per container in a consignment |
| Citrus fruit (more than 5 kilograms) – Harbour* | 34.00 cents per container in a consignment |
| Concentrates | 1.26 cent per kg or part thereof in a consignment |
| Condensed milk | 4.80 cents per kg or part thereof in a consignment |
| Dairy products | 8.7 cents per kg or part thereof in a consignment |
| Dried fruit | 1.46 cents per kg or part thereof in a consignment |
| Egg products | 7.77 cents per kg or part thereof in a consignment |
| Flowers and bulbs | 24.50 cents per kg or part thereof in a consignment |
| Fresh vegetables | 2.90 cents per kg or part thereof in a consignment |
| Grain and grain products (excluding maize) | R 2.10 per metric ton or part thereof in a consignment |
| Grapes (less than 5 kilograms) | 41.20 cents per container in a consignment |
| Grapes (more than 5 kilograms) | 82.40 cents per container in a consignment |
| Groundnuts | R 53.60 per metric ton or part thereof in a consignment |
| Litchis | 8.05 cents per kg or part thereof in a consignment |
| Litchis – Harbour* | 6.7 cents per kg or part thereof in a consignment |
| Maize | R 2.10 per metric ton or part thereof in a consignment |
| Maize (bulk loading at harbours) | R 1.36 per metric ton or part thereof in a consignment |
| Mangoes (less than 5 kilograms) | 36.60 cents per container in a consignment |
| Mangoes (more than 5 kilograms) | 73.20 cents per container in a consignment |
| Mangoes (less than 5 kilograms) – Harbour* | 30.90 cents per container in a consignment |
| Mangoes (more than 5 kilograms) – Harbour* | 61.80 cents per container in a consignment |
| Mangoes in bulk bins | 36.60 cents per 4.5 kilograms or part thereof |
| Melons | 35.60 cents per container in a consignment |
| Other fresh fruit | 35.60 cents per container in a consignment |
| Pineapples | 40.80 cents per container in a consignment |
| Pome fruit | 43.30 cents per container in a consignment |
| Pome fruit in bulk bins | 43.30 cents per 12,5 kilograms or part thereof |
| Red tea | 6.70 cents per kg or part thereof in a consignment |
| Stone fruit | 45.50 cents per container in a consignment |
| All other products | Hour and kilometre rates as listed |
| Inspections on request | Published inspection levy OR hour and kilometre |

- In all instances where a service is delivered and unit rates are not sufficient to cover costs, PPECB will retain the right to, at its discretion, charge hour and or kilometre rates as listed instead of or in addition to the published fees above. For administrative purposes hour and kilometre rates may be adapted to an equivalent tariff per unit.

HOUR AND KILOMETRE RATES

| | <u>Rate per Hour</u> |
|-------------------------------------|----------------------|
| Normal Time (8 am to 5 pm weekdays) | R 400 per hour |
| Normal Overtime | R 440 per hour |
| Sundays & Public holidays | R 485 per hour |
| Kilometre rate | R 3.95 per kilometer |

- In all instances where a service is delivered and unit rates are not sufficient to cover costs, PPECB will retain the right to, at its discretion, charge hour and or kilometre rates as listed above instead of or in addition to the published fees. For administrative purposes hour and kilometre rates may be adapted to an equivalent tariff per unit.
- Where hourly rates are charged, a minimum fee for a one hour call out will be charged. Thereafter time will be charged in half hour segments ie R200 per half hour or part thereof. The same principle will be applied to overtime and Sunday time.
- After hour callouts are defined as all callouts made outside Normal Time (8 am to 5 pm weekdays) and will be charged for at the Normal

LABORATORY FEES

| | | |
|---|--------------|--------------------|
| Compositional quality (dairy products): | Analysis x 1 | R 32.70 per sample |
| | Analysis x 3 | R 98.50 per sample |

Groundnuts

| | |
|---|------------------------------------|
| Aflatoxin B1 and B1+B2+G1+G2 analysis by HPLC analytical techniques | R665 per 10kg sub-sample |
| Sampling Handling at factory | R 32 per 10kg sub-sample |
| Sample Transport to Laboratory | R 32 per 10kg sub-sample |
| Pesticide residue analysis | R 50 handling fee per sample drawn |

All courier and transport costs relating to getting the samples to the respective State Laboratories, will be borne by the party requesting the inspection.

GENERAL

All charges (levies and fees) listed above exclude VAT of 14%.

(Updated 01/04/2011)