

From Producer to the World



AGT
FOODS



AGT Foods Africa - Cover Crop Division



Selection Tool



Instructions

1. Choose your goal on the HOME page
2. Specify the problem on the following pages
3. The species suitable to your selections will be shown.
 - These species are categorized by the season it grows in, and the type of plant
 - Grasses
 - Broadleaf species
 - Legumes
4. Select the species you want to include
5. Further navigation is possible with the



(HOME) or  (Back) buttons

Let's start!

Contact Us: 011 762 5261



HOME

Click on your goal?

Soil Properties

Soil Nutrients

Soil Toxicity

Pest Management

Biodiversity

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SOIL PROPERTIES



Click on your goal?

Erosion Control

Increase Water Infiltration

Reduce Compaction

Stabilize Soil Aggregates

Build Organic Matter

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EROSION CONTROL



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Tall Fescue

Ryegrass

Wheat

Barley

Chicory

Radish

Canola

Turnips

Mustard

Vetch

Clover

Velvet Beans

Dolichos

Mung Beans

Lucerne

Cowpeas

Sunn Hemp

Pigeon Pea

Bahia

Couch

Kikuyu

Smuts Finger

Eragrostis

Teff

Buffalo

Rhodes

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INCREASE WATER INFILTRATION



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Radish

Sunn Hemp

Cowpeas

Rye

Chicory

Mung Beans

Triticale

Canola

Dolichos

Chicory

Ryegrass

Turnips

Vetch

Velvet Beans

Sunflower

Forage Sorghum

Barley

Mustard

Clover

Lucerne

Safflower

Teff

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REDUCE COMPACTION



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Radish

Mung Beans

Rye

Turnips

Cowpeas

Triticale

Chicory

Dolichos

Ryegrass

Canola

Vetch

Sunn Hemp

Barley

Mustard

Clover

Lucerne

Velvet Beans

Chicory

Forage Sorghum

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STABILIZE SOIL AGGREGATES



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Tall Fescue

Wheat

Barley

Chicory

Turnips

Canola

Pea

Vetch

Clover

Lentils

Dolichos

Mung Beans

Lucerne

Cowpeas

Sunn Hemp

Velvet Beans

Pigeon Pea

Chicory

Sunflower

Safflower

Buckwheat

Couch

Bahia

Kikuyu

Rhodes

Eragrostis

Smuts Finger

Buffalo

Teff

Babala

Forage Sorghum

Grain Sorghum

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BUILD ORGANIC MATTER



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Tall Fescue

Wheat

Barley

Radish

Chicory

Canola

Turnips

Mustard

Clover

Vetch

Pea

Lentils

Dolichos

Mung Beans

Lucerne

Cowpeas

Sunn Hemp

Velvet Beans

Pigeon Pea

Chicory

Sunflower

Flax

Safflower

Buckwheat

Bahia

Kikuyu

Couch

Smuts Finger

Buffalo

Eragrostis

Teff

Babala

Forage Sorghum

Grain Sorghum

Maize

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SOIL NUTRIENTS



Click on your goal?

Nitrogen Fixation

Nitrogen Scavenging

Phosphorus Scavenging

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NITROGEN FIXATION



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Pea

Vetch

Clover

Lentils

Dolichos

Mung Beans

Lucerne

Cowpeas

Sunn Hemp

Velvet Beans

Pigeon Pea

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NITROGEN SCAVENGING



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Wheat

Barley

Radish

Turnips

Canola

Mustard

Vetch

Clover

Dolichos

Mung Beans

Lucerne

Cowpeas

Sunn Hemp

Velvet Beans

Pigeon Pea

Sunflower

Flax

Buckwheat

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PHOSPHORUS SCAVENGING



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Wheat

Vetch

Clover

Pea

Velvet Beans

Lucerne

Buckwheat

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SOIL TOXICITY



Click on your goal?

Remediation of Heavy Metals

Salt Tolerant

Remediation of Pollutants

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REMEDICATION OF HEAVY METALS



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Ryegrass

Tall Fescue

Wheat

Barley

Mustard

Turnips

Canola

Clover

Sunn Hemp

Lucerne

Sunflower

Forage Sorghum

Maize

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SALT TOLERNANT



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Tall Fescue

Barley

Wheat

Couch

Rhodes

Babala

Forage Sorghum

Grain Sorghum

Sunflower

Safflower

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REMEDIATION OF POLLUTANTS



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Tall Fescue

Lucerne

Couch

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PEST MANAGEMENT



Click on your goal?

Weed Control

Nematode Control

Disease Control

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WEED CONTROL



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Barley

Wheat

Radish

Mustard

Turnips

Canola

Pea

Clover

Vetch

Lucerne

Dolichos

Mung Beans

Sunn Hemp

Cowpeas

Velvet Beans

Pigeon Pea

Buckwheat

Forage Sorghum

Teff

Babala

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NEMATODE CONTROL



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Canola

Velvet Beans

Rhodes

Barley

Mustard

Sunn Hemp

Buckwheat

Forage Sorghum

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DISEASE CONTROL



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Canola

Turnips

Barley

Mustard

Sunn Hemp

Forage Sorghum

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BIODIVERSITY



Click on your goal?

Forage

Attract Helpful Insects

Attract Game

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FORAGE



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Oats

Rye

Triticale

Ryegrass

Tall Fescue

Chicory

Turnips

Radish

Vetch

Clover

Pea

Cowpeas

Dolichos

Mung Beans

Lucerne

Velvet Beans

Pigeon Pea

Chicory

Bahia

Kikuyu

Couch

Smuts Finger

Rhodes

Buffalo

Eragrostis

Teff

Babala

Forage Sorghum

Maize

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ATTRACT HELPFUL INSECTS



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Rye

Chicory

Mustard

Pea

Clover

Vetch

Cowpeas

Dolichos

Mung Beans

Lucerne

Velvet Beans

Pigeon Pea

Chicory

Sunflower

Flax

Safflower

Buckwheat

Babala

Forage Sorghum

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ATTRACT GAME



Cool Season

Warm Season

Grass

Broadleaf

Legumes

Broadleaf

Grass

Rye

Oats

Ryegrass

Triticale

Chicory

Turnips

Radish

Vetch

Clover

Pea

Cowpeas

Dolichos

Mung Beans

Lucerne

Sunn Hemp

Pigeon Pea

Chicory

Kikuyu

Bahia

Couch

Buffalo

Smuts Finger

Rhodes

Eragrostis

Teff

Babala

Forage Sorghum

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OATS – white

Avena sativa



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright tufted

400 mm

Suggested Seeding Rate:

Yield Potential:

40-75 kg/ha

15 t DM/ha/season

Extension document:

Time to Incorporate: *Pipe stage*

Afrikaans

English

60-80 days-Winter types

Depend on the climatic conditions

40-60 days-Spring types

Uses:

| | |
|--|---|
| X <u>Erosion Control</u> | X <u>Salt Tolerant</u> |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | X <u>Nematode Control</u> |
| X <u>Build Organic Matter</u> | X <u>Disease Control</u> |
| Nitrogen Fixation | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| Remediation of Heavy Metals | |

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There's More....



OATS – black

Avena strigosa



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

400 mm

Suggested Seeding Rate:

Yield Potential:

40-75 kg/ha

15 t DM/ha/season

Extension document:

Time to Incorporate: *Pipe stage*

Afrikaans

English

60-80 days-Winter types

Depend on the climatic conditions

40-60 days-Spring types

Uses:

| | |
|--|---|
| X <u>Erosion Control</u> | X <u>Salt Tolerant</u> |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | X <u>Nematode Control</u> |
| X <u>Build Organic Matter</u> | X <u>Disease Control</u> |
| Nitrogen Fixation | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| X <u>Remediation of Heavy Metals</u> | |

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RYE

Secale cereale



| | | |
|--------------------------------------|--|---|
| Season: Cool Season | Growth Form: Upright tufted | Min. Water Requirement: 400 mm |
|--------------------------------------|--|---|

| | |
|--|--|
| Suggested Seeding Rate: 40-75 kg/ha | Yield Potential: 2-7 t DM/ha/season |
|--|--|

| | | |
|---|---|--|
| Extension document: <u>Afrikaans</u> <u>English</u> | Time to Incorporate: <i>Pipe stage</i> 60-80 days-Winter types 40-60 days-Spring types | <i>Depend on the climatic conditions</i> |
|---|---|--|

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | X <u>Salt Tolerant</u> |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | X <u>Attract Helpful Insects</u> |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| Remediation of Heavy Metals | |

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TRITICALE

Triticosecale



Season:

Cool Season

Growth Form:

Upright tufted

Min. Water Requirement:

400 mm

Suggested Seeding Rate:

40-75 kg/ha

Yield Potential:

2-7 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Pipe stage*

60-80 days-Winter types

Depend on the climatic conditions

40-60 days-Spring types

Uses:

| | | | |
|----------|---|----------|---|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| X | <u>Increase Water Infiltration</u> | | <u>Remediation of Pollutants</u> |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | | <u>Disease Control</u> |
| | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | | <u>Attract Helpful Insects</u> |
| | <u>Phosphorus Scavenger</u> | X | <u>Game Attractant</u> |
| | <u>Remediation of Heavy Metals</u> | | |

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WHEAT

Triticum aestivum



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

400 mm

Suggested Seeding Rate:

Yield Potential:

40-75 kg/ha

2-7 t DM/ha/season

Extension document:

Time to Incorporate: *Pipe stage*

ARC

60-80 days-Winter types

Depend on the climatic conditions

40-60 days-Spring types

Uses:

| | | | |
|----------|---|----------|-----------------------------|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | | Forage |
| X | <u>Nitrogen Scavenger</u> | | Attract Helpful Insects |
| X | <u>Phosphorus Scavenger</u> | | Game Attractant |
| X | <u>Remediation of Heavy Metals</u> | | |

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BARLEY

Hordeum vulgare



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

400 mm

Suggested Seeding Rate:

Yield Potential:

40-75 kg/ha

2-7 t DM/ha/season

Extension document:

Time to Incorporate: *Pipe stage*

ARC

60-80 days-Winter types

Depend on the climatic conditions

40-60 days-Spring types

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | X | <u>Disease Control</u> |
| | Nitrogen Fixation | | Forage |
| X | <u>Nitrogen Scavenger</u> | | Attract Helpful Insects |
| | Phosphorus Scavenger | | Game Attractant |
| X | <u>Remediation of Heavy Metals</u> | | |

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RYEGRASS

Lolium multiflorum



Season:

Cool Season

Growth Form:

Upright Tufted

Min. Water Requirement:

1200 mm

Suggested Seeding Rate:

25-35 kg/ha

Yield Potential:

14-20 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Pipe stage*

60-80 days- Italian

Depend on the climatic conditions

40-60 days- Westerwolds

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | X <u>Salt Tolerant</u> |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| X <u>Remediation of Heavy Metals</u> | |

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TALL FESCUE

Festuca arundinacea



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

1000 mm

Suggested Seeding Rate:

Yield Potential:

25 kg/ha

18-24 t DM/ha/season

Extension document:

Crop Duration:

Afrikaans

English

Perennial

Uses:

X **Erosion Control**

X **Salt Tolerant**

Increase Water Infiltration

X **Remediation of Pollutants**

Reduce Compaction

Weed Control

X **Stabilize Soil Aggregates**

Nematode Control

X **Build Organic Matter**

Disease Control

Nitrogen Fixation

X **Forage**

Nitrogen Scavenger

Attract Helpful Insects

Phosphorus Scavenger

Game Attractant

X **Remediation of Heavy Metals**

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BABALA

Pennisetum glaucum



| | | |
|--------------------|-----------------------|-------------------------|
| Season: | Growth Form: | Min. Water Requirement: |
| Warm Season | Upright Tufted | 400 mm |

| | |
|-------------------------|---------------------------|
| Suggested Seeding Rate: | Yield Potential: |
| 20-30 kg/ha | 1-8 t DM/ha/season |

| | |
|-------------------------|--|
| Extension document: | Time to Incorporate: <i>Pipe stage</i> |
| <u>Afrikaans</u> | 60-80 days |
| <u>English</u> | <i>Depend on the climatic conditions</i> |

Uses:

| | | |
|---|----------|---|
| Erosion Control | X | <u>Salt Tolerant</u> |
| Increase Water Infiltration | | <u>Remediation of Pollutants</u> |
| Reduce Compaction | X | <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | | <u>Nematode Control</u> |
| X <u>Build Organic Matter</u> | | <u>Disease Control</u> |
| Nitrogen Fixation | X | <u>Forage</u> |
| Nitrogen Scavenger | X | <u>Attract Helpful Insects</u> |
| Phosphorus Scavenger | X | <u>Game Attractant</u> |
| Remediation of Heavy Metals | | |

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FORAGE SORGHUM

Sorghum spp.



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

12-25 kg/ha

Yield Potential:

20-30 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Pipe stage*

60-80 days-Late Maturing

Depend on the climatic conditions

40-60 days-Early Maturing

Uses:

Erosion Control

X Salt Tolerant

X Increase Water Infiltration

Remediation of Pollutants

X Reduce Compaction

X Weed Control

X Stabilize Soil Aggregates

X Nematode Control

X Build Organic Matter

X Disease Control

Nitrogen Fixation

X Forage

Nitrogen Scavenger

X Attract Helpful Insects

Phosphorus Scavenger

X Game Attractant

X Remediation of Heavy Metals

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GRAIN SORGHUM

Sorghum bicolor



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

300 mm

Suggested Seeding Rate:

3-12 kg/ha

Yield Potential:

6-10 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Pipe stage*

60-70 days

Depend on the climatic conditions

Uses:

Erosion Control

X

Salt Tolerant

Increase Water Infiltration

Remediation of Pollutants

Reduce Compaction

Weed Control

X Stabilize Soil Aggregates

Nematode Control

X Build Organic Matter

Disease Control

Nitrogen Fixation

Forage

Nitrogen Scavenger

Attract Helpful Insects

Phosphorus Scavenger

Game Attractant

Remediation of Heavy Metals

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MAIZE

Zea mays



| | | |
|--------------------------------------|---------------------------------------|---|
| Season: Warm Season | Growth Form: Upright | Min. Water Requirement: 300 mm |
|--------------------------------------|---------------------------------------|---|

| | |
|--|---|
| Suggested Seeding Rate: 10-25 kg/ha | Yield Potential: 6-10 t DM/ha/season |
|--|---|

| | | | |
|---|-----------------------|---|--|
| Extension document: <u>Afrikaans</u> | <u>English</u> | Time to Incorporate: <i>Pipe stage</i> 70 days | <i>Depend on the climatic conditions</i> |
|---|-----------------------|---|--|

Uses:

| | |
|---|----------------------------------|
| Erosion Control | Salt Tolerant |
| Increase Water Infiltration | Remediation of Pollutants |
| Reduce Compaction | Weed Control |
| Stabilize Soil Aggregates | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | X <u>Forage</u> |
| Nitrogen Scavenger | Attract Helpful Insects |
| Phosphorus Scavenger | Game Attractant |
| X <u>Remediation of Heavy Metals</u> | |

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TEFF

Eragrostis tef



| | | |
|--------------------------------------|--|---|
| Season: Warm Season | Growth Form: Upright Tufted | Min. Water Requirement: 400 mm |
|--------------------------------------|--|---|

| | |
|--|--|
| Suggested Seeding Rate: 15-25 kg/ha | Yield Potential: 4-8 t DM/ha/season |
|--|--|

| | | | |
|---|-----------------------|---|--|
| Extension document: <u>Afrikaans</u> | <u>English</u> | Time to Incorporate: <i>Pipe stage</i> 40 days | <i>Depend on the climatic conditions</i> |
|---|-----------------------|---|--|

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| Reduce Compaction | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | X <u>Forage</u> |
| Nitrogen Scavenger | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| Remediation of Heavy Metals | |

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BAHIA

Paspalum notatum



| | | |
|--------------------|-----------------|-------------------------|
| Season: | Growth Form: | Min. Water Requirement: |
| Warm Season | Creeping | 650 mm |

| | |
|-------------------------|----------------------------|
| Suggested Seeding Rate: | Yield Potential: |
| 25 kg/ha | 3-10 t DM/ha/season |

| | |
|-------------------------|------------------|
| Extension document: | Crop Duration: |
| <u>Afrikaans</u> | Perennial |
| <u>English</u> | |

Uses:

| | | |
|----------|---|--|
| X | <u>Erosion Control</u> | Salt Tolerant |
| | Increase Water Infiltration | Remediation of Pollutants |
| | Reduce Compaction | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X | <u>Build Organic Matter</u> | Disease Control |
| | Nitrogen Fixation | X <u>Forage</u> |
| | Nitrogen Scavenger | Attract Helpful Insects |
| | Phosphorus Scavenger | X <u>Game Attractant</u> |
| | Remediation of Heavy Metals | |

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COUCH

Cynodon dactylon



| | | |
|--------------------|-----------------|-------------------------|
| Season: | Growth Form: | Min. Water Requirement: |
| Warm Season | Creeping | 400 mm |

| | |
|-------------------------|----------------------------|
| Suggested Seeding Rate: | Yield Potential: |
| 10-15 kg/ha | 5-12 t DM/ha/season |

| | |
|-------------------------|------------------|
| Extension document: | Crop Duration: |
| <u>Afrikaans</u> | Perennial |
| <u>English</u> | |

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | X <u>Salt Tolerant</u> |
| Increase Water Infiltration | X <u>Remediation of Pollutants</u> |
| Reduce Compaction | Weed Control |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | X <u>Forage</u> |
| Nitrogen Scavenger | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| Remediation of Heavy Metals | |

Contact Us: 011 762 5261



KIKUYU

Pennisetum clandestinum



Season:

Growth Form:

Min. Water Requirement:

Warm Season

Creeping

700 mm

Suggested Seeding Rate:

Yield Potential:

5-15 kg/ha

10-20 t DM/ha/season

Extension document:

Crop Duration:

Afrikaans

English

Perennial

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



RHODES

Chloris gayana



Season:

Warm Season

Growth Form:

Upright and Creeping

Min. Water Requirement:

500 mm

Suggested Seeding Rate:

10-15 kg/ha

Yield Potential:

10-18 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | | | |
|----------|---|----------|--------------------------------|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | | <u>Disease Control</u> |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



SMUTS FINGER

Digitaria eriantha



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

500 mm

Suggested Seeding Rate:

10-15 kg/ha

Yield Potential:

10-20 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



ERAGROSTIS

Eragrostis curvula



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

550 mm

Suggested Seeding Rate:

7-10 kg/ha

Yield Potential:

6-15 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | | | |
|----------|---|----------|-------------------------------|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



BUFFALO

Panicum maximum



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

550 mm

Suggested Seeding Rate:

10-15 kg/ha

Yield Potential:

10-20 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



VETCH

Vicia villosa ssp dasycarpa



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Climbing

350 mm

Suggested Seeding Rate:

Yield Potential:

50 kg/ha

3-12 t DM/ha/season

Extension document:

Crop Duration:

Afrikaans

English

Perennial

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| X | <u>Phosphorus Scavenger</u> | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



CLOVER – white

Trifolium repens



Season:

Cool Season

Growth Form:

Creeping prostrate

Min. Water Requirement:

800 mm

Suggested Seeding Rate:

2-8 kg/ha

Yield Potential:

5 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| X <u>Nitrogen Fixation</u> | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | X <u>Attract Helpful Insects</u> |
| X <u>Phosphorus Scavenger</u> | X <u>Game Attractant</u> |
| X <u>Remediation of Heavy Metals</u> | |

Contact Us: 011 762 5261

There's More....



CLOVER – red

Trifolium pratense



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Creeping Prostrate

750 mm

Suggested Seeding Rate:

Yield Potential:

2-8 kg/ha

5-10 t DM/ha/season

Extension document:

Crop Duration:

Afrikaans

English

Perennial

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | | Attract Helpful Insects |
| X | <u>Phosphorus Scavenger</u> | X | <u>Game Attractant</u> |
| X | <u>Remediation of Heavy Metals</u> | | |

Contact Us: 011 762 5261

There's More....



CLOVER - arrowleaf

Trifolium vesiculosum



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

750 mm

Suggested Seeding Rate:

Yield Potential:

2-10 kg/ha

5-10 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

Afrikaans

English

40-60 days

Depend on the climatic conditions

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | X <u>Weed Control</u> |
| X <u>Increase Water Infiltration</u> | X <u>Forage</u> |
| X <u>Reduce Compaction</u> | X <u>Game Attractant</u> |
| X <u>Stabilize Soil Aggregates</u> | X <u>Remediation of Heavy Metals</u> |
| X <u>Build Organic Matter</u> | X <u>Salt Tolerant</u> |
| X <u>Nitrogen Fixation</u> | X <u>Remediation of Pollutants</u> |
| X <u>Nitrogen Scavenger</u> | X <u>Nematode Control</u> |
| X <u>Phosphorus Scavenger</u> | X <u>Disease Control</u> |
| X <u>Remediation of Heavy Metals</u> | X <u>Attract Helpful Insects</u> |

Contact Us: 011 762 5261



PEAS

Pisum sativum



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Climbing

450-550 mm

Suggested Seeding Rate:

Yield Potential:

120-200 kg/ha

5-35 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

Afrikaans

English

40-60 days

Depend on the climatic conditions

Uses:

| | | |
|------------------------------------|---|----------------------------------|
| Erosion Control | | Salt Tolerant |
| Increase Water Infiltration | | Remediation of Pollutants |
| Reduce Compaction | X | Weed Control |
| X Stabilize Soil Aggregates | | Nematode Control |
| X Build Organic Matter | | Disease Control |
| X Nitrogen Fixation | X | Forage |
| Nitrogen Scavenger | X | Attract Helpful Insects |
| X Phosphorus Scavenger | X | Game Attractant |
| Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



LENTILS

Lens culinaris



Season:

Warm Season

Growth Form:

Upright

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

40-100 kg/ha

Yield Potential:

2-6 t DM/ha/season

Extension document:

DAFF

Time to Incorporate: *Early flower stage*

60-80 days

Depend on the climatic conditions

Uses:

| | |
|------------------------------------|---------------------------|
| Erosion Control | Salt Tolerant |
| Increase Water Infiltration | Remediation of Pollutants |
| Reduce Compaction | Weed Control |
| X Stabilize Soil Aggregates | Nematode Control |
| X Build Organic Matter | Disease Control |
| X Nitrogen Fixation | Forage |
| Nitrogen Scavenger | Attract Helpful Insects |
| Phosphorus Scavenger | Game Attractant |
| Remediation of Heavy Metals | |

Contact Us: 011 762 5261



SUNN HEMP

Crotolaria juncea



| | | |
|--------------------|----------------|-------------------------|
| Season: | Growth Form: | Min. Water Requirement: |
| Warm Season | Upright | 300 mm |

| | |
|-------------------------|----------------------------|
| Suggested Seeding Rate: | Yield Potential: |
| 35-60 kg/ha | 5-18 t DM/ha/season |

| | | |
|-------------------------|-----------------------|--|
| Extension document: | Time to Incorporate: | <i>Early flower stage</i> |
| <u>Afrikaans</u> | <u>English</u> | 40-60 days |
| | | <i>Depend on the climatic conditions</i> |

Uses:

| | |
|---|----------------------------------|
| X <u>Erosion Control</u> | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | X <u>Nematode Control</u> |
| X <u>Build Organic Matter</u> | X <u>Disease Control</u> |
| X <u>Nitrogen Fixation</u> | Forage |
| X <u>Nitrogen Scavenger</u> | Attract Helpful Insects |
| Phosphorus Scavenger | X <u>Game Attractant</u> |
| X <u>Remediation of Heavy Metals</u> | |

Contact Us: 011 762 5261



LUCERNE

Medicago sativa



Season:

Warm Season

Growth Form:

Upright Tufted

Min. Water Requirement:

400 mm

Suggested Seeding Rate:

25 kg/ha

Yield Potential:

30 t DM/ha/season

Extension document:

Afrikaans

English

Crop Duration:

Perennial

Uses:

| | |
|--|--|
| X <u>Erosion Control</u> | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | X <u>Remediation of Pollutants</u> |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| X <u>Nitrogen Fixation</u> | X <u>Forage</u> |
| X <u>Nitrogen Scavenger</u> | X <u>Attract Helpful Insects</u> |
| X <u>Phosphorus Scavenger</u> | X <u>Game Attractant</u> |
| X <u>Remediation of Heavy Metals</u> | |

Contact Us: 011 762 5261



COWPEAS

Vigna unguiculata



Season:

Warm Season

Growth Form:

Climbing or Upright

Min. Water Requirement:

450 mm

Suggested Seeding Rate:

60-90 kg/ha

Yield Potential:

3-10 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Early flower stage*

40-60 days-Early Maturing

Depend on the climatic conditions

60-80 days-Late Maturing

Uses:

| | | | |
|----------|---|----------|---|
| X | <u>Erosion Control</u> | X | <u>Salt Tolerant</u> |
| X | <u>Increase Water Infiltration</u> | X | <u>Remediation of Pollutants</u> |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | X | <u>Disease Control</u> |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| | <u>Phosphorus Scavenger</u> | X | <u>Game Attractant</u> |
| | <u>Remediation of Heavy Metals</u> | | |

Contact Us: 011 762 5261



DOLICHOS

Lablab purpureus



Season:

Warm Season

Growth Form:

Climbing or Upright

Min. Water Requirement:

450 mm

Suggested Seeding Rate:

35-60 kg/ha

Yield Potential:

4-12 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Early flower stage*

60-80 days

Depend on the climatic conditions

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



MUNG BEANS

Vigna radiata



Season:

Warm Season

Growth Form:

Upright

Min. Water Requirement:

450 mm

Suggested Seeding Rate:

25-30 kg/ha

Yield Potential:

0.6-1.8 t DM/ha/season

Extension document:

Afrikaans

English

Time to Incorporate: *Early flower stage*

40-60 days

Depend on the climatic conditions

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



VELVET BEANS

Mucuna pruriens



Season:

Growth Form:

Min. Water Requirement:

Warm Season

Climbing

350 mm

Suggested Seeding Rate:

Yield Potential:

20-40 kg/ha

5-10 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

Tropical Forages

90-100 days

Depend on the climatic conditions

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| X | <u>Phosphorus Scavenger</u> | | Game Attractant |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



PIGEON PEA

Cajanus cajan



Season:

Warm Season

Growth Form:

Upright

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

0.5-7 kg/ha

Yield Potential:

0.5-2 t DM/ha/season

Extension document:

Tropical Forages

Time to Incorporate: *Early flower stage*

40-60 days

Depend on the climatic conditions

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| X | <u>Nitrogen Fixation</u> | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



RADISH

Raphanus sativus



Season:

Cool Season

Growth Form:

Upright

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

4-20 kg/ha

Yield Potential:

4-12 t DM/ha/season

Extension document:

Afrikaans

English

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| | Stabilize Soil Aggregates | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



TURNIPS

Brassica rapa ssp rapa



Season:

Cool Season

Growth Form:

Upright

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

4 kg/ha

Yield Potential:

2-10 t DM/ha/season

Extension document:

NSW

Uses:

| | | | |
|----------|---|----------|----------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | X | <u>Disease Control</u> |
| | Nitrogen Fixation | X | <u>Forage</u> |
| X | <u>Nitrogen Scavenger</u> | | Attract Helpful Insects |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| X | <u>Remediation of Heavy Metals</u> | | |

Contact Us: 011 762 5261



MUSTARD

Brassica spp.



Season:

Cool Season

Growth Form:

Upright Tufted

Min. Water Requirement:

350 mm

Suggested Seeding Rate:

2-6 kg/ha

Yield Potential:

1-4 t DM/ha/season

Extension document:

DAFF

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | X | <u>Weed Control</u> |
| | Stabilize Soil Aggregates | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | X | <u>Disease Control</u> |
| | Nitrogen Fixation | | Forage |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| | Phosphorus Scavenger | | Game Attractant |
| X | <u>Remediation of Heavy Metals</u> | | |

Contact Us: 011 762 5261



CANOLA

Brassica spp.



Season:

Growth Form:

Min. Water Requirement:

Cool Season

Upright Tufted

300 mm

Suggested Seeding Rate:

Yield Potential:

3-6 kg/ha

2-10 t DM/ha/season

Extension document:

DAFF

Uses:

| | |
|--|---|
| X <u>Erosion Control</u> | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | Remediation of Pollutants |
| X <u>Reduce Compaction</u> | X <u>Weed Control</u> |
| X <u>Stabilize Soil Aggregates</u> | X <u>Nematode Control</u> |
| X <u>Build Organic Matter</u> | X <u>Disease Control</u> |
| Nitrogen Fixation | Forage |
| X <u>Nitrogen Scavenger</u> | Attract Helpful Insects |
| Phosphorus Scavenger | Game Attractant |
| X <u>Remediation of Heavy Metals</u> | |

Contact Us: 011 762 5261



CHICORY

Cichorium intybus



Season:

Growth Form:

Min. Water Requirement:

Cool & Warm Season

Upright Bushy

350 mm

Suggested Seeding Rate:

Yield Potential:

3.5-5.5 kg/ha

1-7 t DM/ha/season

Extension document:

Crop Duration:

Penn State

Perennial

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| X | <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| X | <u>Reduce Compaction</u> | | Weed Control |
| X | <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | X | <u>Forage</u> |
| | Nitrogen Scavenger | X | <u>Attract Helpful Insects</u> |
| | Phosphorus Scavenger | X | <u>Game Attractant</u> |
| | Remediation of Heavy Metals | | |

Contact Us: 011 762 5261



SUNFLOWER

Helianthus annuus



Season:

Growth Form:

Min. Water Requirement:

Warm Season

Upright

350 mm

Suggested Seeding Rate:

Yield Potential:

3-6 kg/ha

10 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

DAFF

60-80 days

Depend on the climatic conditions

Uses:

| | | |
|---|----------|---------------------------------------|
| Erosion Control | X | Salt Tolerant |
| X <u>Increase Water Infiltration</u> | | Remediation of Pollutants |
| Reduce Compaction | | Weed Control |
| X <u>Stabilize Soil Aggregates</u> | | Nematode Control |
| X <u>Build Organic Matter</u> | | Disease Control |
| Nitrogen Fixation | | Forage |
| X <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| Phosphorus Scavenger | | Game Attractant |
| X <u>Remediation of Heavy Metals</u> | | |

Contact Us: 011 762 5261



SAFFLOWER

Carthamus tinctorius



Season:

Growth Form:

Min. Water Requirement:

Warm Season

Upright Bushy

350 mm

Suggested Seeding Rate:

Yield Potential:

7-10 kg/ha

2-12 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

DAFF

40-60 days

Depend on the climatic conditions

Uses:

| | | |
|--------------------------------------|---|----------------------------------|
| Erosion Control | X | Salt Tolerant |
| X Increase Water Infiltration | | Remediation of Pollutants |
| Reduce Compaction | | Weed Control |
| X Stabilize Soil Aggregates | | Nematode Control |
| X Build Organic Matter | | Disease Control |
| Nitrogen Fixation | | Forage |
| Nitrogen Scavenger | X | Attract Helpful Insects |
| Phosphorus Scavenger | | Game Attractant |
| Remediation of Heavy Metals | | |

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FLAX

Linum usitatissimum



Season:

Growth Form:

Min. Water Requirement:

Warm Season

Upright Bushy

300 mm

Suggested Seeding Rate:

Yield Potential:

45-50 kg/ha

2-8 t DM/ha/season

Extension document:

Time to Incorporate: *Early flower stage*

DAFF

40-60 days

Depend on the climatic conditions

Uses:

| | |
|--------------------------------------|---|
| Erosion Control | Salt Tolerant |
| Increase Water Infiltration | Remediation of Pollutants |
| Reduce Compaction | Weed Control |
| Stabilize Soil Aggregates | Nematode Control |
| X <u>Build Organic Matter</u> | Disease Control |
| Nitrogen Fixation | Forage |
| X <u>Nitrogen Scavenger</u> | X <u>Attract Helpful Insects</u> |
| Phosphorus Scavenger | Game Attractant |
| Remediation of Heavy Metals | |

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BUCKWHEAT

Fagopyrum esculentum



Season:

Warm Season

Growth Form:

Upright Bushy

Min. Water Requirement:

250 mm

Suggested Seeding Rate:

40-50 kg/ha

Yield Potential:

6 t DM/ha/season

Extension document:

USDA

Time to Incorporate: *Early flower stage*

40 days

Depend on the climatic conditions

Uses:

| | | | |
|----------|---|----------|---------------------------------------|
| X | <u>Erosion Control</u> | | Salt Tolerant |
| | Increase Water Infiltration | | Remediation of Pollutants |
| | Reduce Compaction | X | <u>Weed Control</u> |
| X | <u>Stabilize Soil Aggregates</u> | X | <u>Nematode Control</u> |
| X | <u>Build Organic Matter</u> | | Disease Control |
| | Nitrogen Fixation | | Forage |
| X | <u>Nitrogen Scavenger</u> | X | <u>Attract Helpful Insects</u> |
| X | <u>Phosphorus Scavenger</u> | | Game Attractant |
| | Remediation of Heavy Metals | | |

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