Recommended Use:
All purpose broadcast and side dress balanced fertilizer for leafy crops, potatoes, and cucurbits. Natural nitrogen source for organic gardens and crops. Also for turf, parklands, and trees.

Description:
Suståne® 5-2-4 is an all natural slow release fertilizer that complies with the National Organic Program standards. Suståne® fertilizers work by replenishing the soil with a rich supply of humus (stabilized organic matter) and the essential nutrients required for sound and long term soil building programs. Suståne® 5-2-4 provides a combination of naturally chelated nutrients derived from biologically stabilized compost plus potash and feathermeal.

Benefits of Suståne®
**5-2-4 Natural Organic**
- Increases the nutrient and water holding capacity of the soil
- Strengthens plants tolerance against hot dry conditions
- Greater root development
- Improves buffering against changes in soil pH
- Increases the soil’s ability to suppress plant pathogens
- Increased soil porosity and stability for greater root development and water holding capacity

Stabilized Organic Matter
Suståne® 5-2-4 All Natural Slow Release Fertilizer was designed with the knowledge that the best way to grow quality plants is to develop and maintain a healthy soil. While synthetic fertilizers supply plant growth nutrients, they do not supply the organic matter required to maintain quality plant life.

Field Trials on Strawberries
**Suståne 5-2-4 vs. Our Competitors**
Suståne natural fertilizers are backed by research, crosschecked and verified by independent labs with third party testing and university field trials.

<table>
<thead>
<tr>
<th>Treatment Plot</th>
<th>N-P-K Analysis</th>
<th>Yield-Crates per Acre</th>
<th>Sugar Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suståne All Organic</td>
<td>5-2-4</td>
<td>7357</td>
<td>10.0</td>
</tr>
<tr>
<td>Duration 60 SCU</td>
<td>41-0-0</td>
<td>7403</td>
<td>9.5</td>
</tr>
<tr>
<td>Blended Synthetic</td>
<td>18-7-12</td>
<td>7225</td>
<td>8.0</td>
</tr>
<tr>
<td>Meat Bone r-phos</td>
<td>8-3-4</td>
<td>7030</td>
<td>7.8</td>
</tr>
<tr>
<td>Chicken Manure</td>
<td>7-7-7</td>
<td>6560</td>
<td>9.0</td>
</tr>
</tbody>
</table>
**Sustâne® Integrated Soil Management Program**

**Soil Preparation For Flower & Shrub Beds**
- Light, High Sandy Soil:
  - 20 lb. per 100 square feet of bed
- Medium, Clay Loam Soil
  - 15 lb. per 100 square feet of bed
- Heavy, Silty, Clay Loam
  - 10 lb. per 100 square feet of bed

**Fertilizer Maintenance for Large Trees**
Once trees have become well established, apply Sustâne into holes punched into the ground within tree crown drip line. Once the tree has developed a 4-6 inch diameter, increase application rate to 1.5 lb. of Sustâne per inch of tree trunk diameter.

**NOTE:** Adjust fertilizer program for local conditions and requirements.

**Application Rates**

**Northern Turf**
- **Athletic Fields, Parks, and Lawncare**
  - Apply 2-3 times per season. Spring and Fall rate 20 lb. per 1000 sq. ft. Summer rate 15 lb. per 1000 sq. ft.
- **Greens and Trees**
  - Apply 3-4 times per season. Spring and Fall rate 20 lb. per 1000 sq. ft. Summer rate 15 lb. per 1000 sq. ft.

**Southern Turf**
- **Athletic Fields, Parks, and Lawncare**
  - Apply 4-7 times per season at a rate not exceeding 20 lb. per 1000 sq. ft. per application.
- **Greens and Trees**
  - On Bermuda Grass, 20 lb. per 1000 sq. ft. per application every 30-45 days or as dictated by clipping weight.

**Coverage**
- 50 lbs. covers 2500 sq. ft. @ 1 lb N per 1000 sq. ft. (44 lbs. N per acre)
- 22.67 kg. covers 232 sq. meters @ 0.5 kg. N per 100 sq. meters (50 kg. N per hectare)
- 20 lbs. per 1000 sq. ft.
- 100 g. per 1 sq. m.

**Available particle sizes:**
- Medium Grade, 200 SGN (2.8mm - 1.4 mm)
- Fine Grade, 100 SGN (1.4mm - 0.6 mm)

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**Crop Applications:**

**Crops**
- Apples/fruit trees
- Brassicas*
- Carrots
- Curcurbits (all vine crops)
- Garlic
- Grasses/Forages
- Legumes
- Lettuce-high density (12-18")
- Lettuce-low density (30")
- Onions
- Peppers
- Potatoes, Norland
- Potatoes, Yukon Gold
- Raspberries, year 1
- Raspberries, year 2
- Small Grains
- Strawberries, year 1
- Strawberries, year 2
- Sweet Corn, early
- Sweet Corn, mid-season
- Squash, hollow stem
- Tomatoes

**Timing**
- Annual
- 4-5 leaf stage
- 2 wk. pre-crown set.
- at planting
- at transplant
- at transplant
- at transplant
- at transplant
- at transplant
- at transplant
- at transplant
- at transplant
- at runner set
- direct on row
- direct on row
- direct with seed
- in row
- broadcast over row
- broadcast over row
- broadcast over row
- broadcasting to edge of bed
- broadcasting to edge of bed
- starter
- at layby
- pre or post plant
- 3wks. pre-summer set
- at dormancy break
- at planting
- 3-4" away

**Applicaton Method**
- broadcast
- broadcast
- sidedress
- broadcast
- broadcast
- broadcast
- broadcast
- broadcast
- broadcast
- broadcast
- broadcast
- broadcast
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- broadcast
- broadcast
- broadcast

**Rate**
- 1 lb. per 1" tree dia.
- 1 lb. per 1" tree dia.
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- 1 lb. per 1" tree dia.
- 1 lb. per 1" tree dia.

**Available particle sizes:**
- Fine Grade, 100 SGN (1.4mm - 0.6 mm)

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**Guaranteed Analysis**

<table>
<thead>
<tr>
<th>Component</th>
<th>Guaranteed Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Nitrogen (N)</td>
<td>5%</td>
</tr>
<tr>
<td>0.5% Ammoniacal Nitrogen</td>
<td></td>
</tr>
<tr>
<td>0.5% Water Soluble Organic Nitrogen</td>
<td></td>
</tr>
<tr>
<td>4.0% Water Insoluble Organic Nitrogen*</td>
<td></td>
</tr>
<tr>
<td>Available Phosphate (P₂O₅)</td>
<td>2%</td>
</tr>
<tr>
<td>Soluble Potash (K₂O)</td>
<td>4%</td>
</tr>
<tr>
<td>Calcium (Ca)</td>
<td>3%</td>
</tr>
</tbody>
</table>

*Derived from aerobically composted turkey litter, hydroyzed feather meal, and sulfate of potash.

*4.0% slowly available nitrogen from aerobically composted turkey litter and hydroyzed feather meal.