Peak Plant Genetics (Majority owned by MVS)

Mountain View Seeds (MVS)

Seed Grower (Pratum Co-op)

Conditioning (Pratum Co-op)

Packaging/Mixing (MVS)

End User
Vivant Hybrid Brassica

1. Quick growing, leafy brassica
2. 3+ grazings
3. Strong regrowth
4. High forage yield
Vivant Hybrid Brassica

1. High quality forage
2. Fast establishing cover crop
3. Attractive food plot
Vivant Hybrid Brassica

- High yields from successive grazings
- Excellent plant persistence after multiple grazings
- Provides a flexible grazing option over summer and autumn
- Minimal ripening requirement (ready in 40–65 days)
Table 15 Forage yield of brassica cover crops seeded after a forage oat crop in Prosper, ND, in 2012

<table>
<thead>
<tr>
<th>Cover Crop</th>
<th>Cultivar</th>
<th>Biomass Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid Brassica</td>
<td>T-Raptor</td>
<td>1089</td>
</tr>
<tr>
<td>Hybrid Brassica</td>
<td>Vivant</td>
<td>913</td>
</tr>
<tr>
<td>Hybrid Brassica</td>
<td>Hunter</td>
<td>899</td>
</tr>
<tr>
<td>Hybrid Brassica</td>
<td>Pasja</td>
<td>815</td>
</tr>
<tr>
<td>Hybrid Brassica</td>
<td>Winfred</td>
<td>438</td>
</tr>
<tr>
<td>lsd (0.05)</td>
<td></td>
<td>581</td>
</tr>
</tbody>
</table>

For complete trial data go to www.ag.ndsu.edu/plantsciences/research/forages/docs/2013CoverCropsReport.pdf
Vivant Hybrid Brassica

Dry Matter Production of Multi-Graze Leafy Turnips

<table>
<thead>
<tr>
<th>Variety</th>
<th>1st Graze</th>
<th>2nd Graze</th>
<th>3rd Graze</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vivant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hunter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pasja</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tyfon</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Vivant Hybrid Brassica

**PLANT PERSISTENCE OF MULTI-GRAZE LEAFY TURNIPS**

- **Vivant**
- **Pasja**
- **Tyfon**

![Graph showing plant population over days after sowing](image)
Agronomic recommendations:
The soil pH level should be at least 5.6 and ideally between 5.8 and 6.2
Crops should have at least 35-55 lb phosphate/acre available at sowing.
After grazing, a light application of nitrogen will greatly increase yields of
subsequent growth.
Avoid high nitrate levels in the crop. Paddocks should have low soil sulphate
levels.

Sowing Rate: direct drill 4 lb/acre, broadcast 6 lbs/acre
Days to grazing: 42-65
Crude Protein%: as high as 22
Potential Yield: 10000 lb/acre
Average Yield: 8000 lb/acre
Sowing recommendations:

Avoid sowing seeds too deep and too far apart. Ideal depth for most forage seeds is 1/8–1/4 inches. Planting seeds deeper than ¼ inch may not allow them to establish. Sufficient seed-to-soil contact is extremely vital. Rolling or packing the soil after seeding can ensure this. If no-tilling, the right seeding depth is 1/4 inches deep. Vivant can be broadcast seeded followed by harrowing, packing or livestock hoofing it in. Vivant may be aerial seeded in late summer for fall/winter grazing.
Management recommendations:

Allow at least 35–40 days before initial grazing of VIVANT and then expect to re-graze in 25–30 day intervals. Graze no lower than 4” if for multiple grazings. Overgrazing can damage the crown and should be avoided. To maximize regrowth potential, graze before the plant bolts.
Vivant Hybrid Brassica

Planted: August 26, 2013

[Image of Vivant plants]