IP NON-GMO SOYBEAN

Quick Guide

Quality Criteria
#1 Canada Grade as minimum quality criteria
Purity, 99% NON-GMO
13% or lower moisture content

Premium
Guaranteed fixed premiums over crush price
100% production buy back
Fixed Premium for a year
Pre-price up to 28bu/ac
Crop has to be stored on the farm

Varieties
Prograin Alaska: 2350 CHU
Prograin Siberia: 2375 CHU
Prograin Maxus: 2400 CHU
Prograin Opus: 2500 CHU
A slightly earlier variety should be selected than you normally would grow; to reduce chance of contamination

Inoculation
Key to higher proteins and yields is a good inoculant program. Must dual treat with inoculant, liquid on the seed plus liquid in-furrow or granular

Field Selection
Prefer average to more productive fields
Avoid alkali or saline fields. These conditions can delay maturity in spots. Also weeds like kochia prefer these areas and can increase earth tagging. Can always harvest these spots separately

Herbicides
Must know your weed Spectrum in your field
Pre-emergent chemistry seems to be a must. Various pre-emergents are available and choice depends on weed spectrum in the field and potential herbicide residue the following year
Example: Authority works well on the pigweed family and kochia. Pursuit works well on volunteer Roundup Ready Canola but can have residue issues in lower moisture areas
Post-Emergents can be applied up to 3rd trifoliate or the beginning of flowering

To learn more, please contact your authorized Prograin seed dealer or visit us at prograin.ca
IP NON-GMO SOYBEAN QUICK GUIDE

Harvesting

Normal harvesting practices
Avoid excess earth tagging by digging the header into the ground or harvesting weedy parts of the field that are not cured and have sap (like kochia)
In some cases, producer may have to desiccate with Roundup or Reglone

Storage and handling

All equipment must be cleaned of Roundup Ready soybean to ensure quality. This includes combines, trucks, augers and grain bins

<table>
<thead>
<tr>
<th></th>
<th>CONVENTIONAL IP</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Cost (210 K seeds/acre)</td>
<td>$66.00</td>
<td>$87.00</td>
</tr>
<tr>
<td>Seed Treatment</td>
<td>$15.12</td>
<td>$15.12</td>
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<tr>
<td>Inoculant</td>
<td>$30.47</td>
<td>$30.47</td>
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<tr>
<td>Pre Emergent Herbicide ($15-25 Range)</td>
<td>$25.00</td>
<td>$10.00</td>
</tr>
<tr>
<td>Post Emergent Herbicide</td>
<td>$21.46 Viper &amp; UAN</td>
<td>$10.00</td>
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<tr>
<td>TOTAL COST</td>
<td>$158.05</td>
<td>$152.59</td>
</tr>
<tr>
<td>Yield “X” Bushels per acre, $11/bushel spot price at 40 bu/acre</td>
<td>$440.00</td>
<td>$440.00</td>
</tr>
<tr>
<td>IP Premium $2/bushel</td>
<td>$80.00</td>
<td>–</td>
</tr>
<tr>
<td>TOTAL REVENUE</td>
<td>$520.00</td>
<td>$385.00</td>
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<tr>
<td>Gross Return</td>
<td>$361.95</td>
<td>$232.41</td>
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<tr>
<td>IP Gross Return +/- vs R2 Production</td>
<td>$74.54</td>
<td></td>
</tr>
</tbody>
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IP Herbicide Program:

1st Application: Pre-Emergence Roundup, Authority, Express
2nd Application: Centurion, Viper

Roundup Herbicide Program:

1st Application: Roundup + Pursuit
2nd Application: Roundup, Viper