



AgraStrip®

GMO TraitChek™

Romer Labs offers a wide range of GMO test strips for the qualitative and quantitative detection of GMO proteins in bulk grain, single seed and leaf samples for various commodities.

How the test works

The AgraStrip® test kits are ready-to-use lateral flow devices for on-site testing. If the sample is genetically modified, the antibody will bind to the expressed protein during incubation, allowing a color to develop.

The tests are available in a qualitative (yes/no answer) or in a quantitative format, depending on the kit.

Kit contents

Each kit includes either 100 single strips or 20 combs plus accessory materials.



Features and Benefits

- Suitable for on-site testing
- Fast results - 5 to 10 minutes incubation time
- LOQs as low as 0.1% GMO in bulk grains
- Result quantification possible with AgraVision™ reader

| Item | Trait | Commodity | Item No. |
|--|----------------------|---|----------|
| AgraStrip® RUR- HS Bulk Grain ^{1,2} | CP4 EPSPS | Corn, Canola, Alfalfa | 10001311 |
| AgraStrip® RUR Bulk Grain ^{1,2} | CP4 EPSPS | Soy, Sugarbeet | 10001312 |
| AgraStrip® RUR Seed and Leaf ¹ | CP4 EPSPS | Soy, Sugarbeet, Cotton, Canola, Alfalfa | 10001313 |
| AgraStrip® Cry1F/Cry34Ab Bulk Grain ¹ | Bt-Cry1F, Bt-Cry34Ab | Corn | 10001314 |
| AgraStrip® CSPB Bulk Seed ¹ | CspB | Corn | 10001315 |
| AgraStrip® CSPB Seed and Leaf ¹ | CspB | Corn | 10001316 |
| AgraStrip® Cry1Ab Bulk Grain ¹ | Bt-Cry1Ab | Corn | 10001317 |
| AgraStrip® Cry1Ab Seed and Leaf ¹ | Bt-Cry1Ab | Corn, Cotton | 10001318 |
| AgraStrip® Cry1F Seed and Leaf ¹ | Bt-Cry1F | Corn, Cotton | 10001319 |
| AgraStrip® Cry3Bb Bulk Grain ^{1,2} | Bt-Cry3Bb | Corn | 10001322 |
| AgraStrip® Cry3Bb Seed and Leaf ¹ | Bt-Cry3Bb | Corn | 10001323 |
| AgraStrip® LL Bulk Grain ^{1,2} | PAT | Canola, Corn, Sugarbeet, Soy | 10001324 |
| AgraStrip® Cry1Ab/LL Bulk Grain Combo ¹ | Bt-Cry1Ab, PAT | Corn | 10001325 |
| AgraStrip® LL Seed and Leaf ¹ | PAT | Corn, Canola, Sugarbeet | 10001326 |
| AgraStrip® LL Bulk Grain for Rice ¹ | PAT | Rice | 10001327 |

¹ qualitative

² quantitative



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| Item | Trait | Commodity | Item No. |
|---|--|-------------------------|----------|
| AgraStrip® Cry1F Bulk Grain (water extract) ^{1,2} | Bt-Cry1F | Corn | 10001329 |
| AgraStrip® Triple Trait Seed and Leaf ¹ | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, Bt-Cry3Bb | Corn | 10001330 |
| AgraStrip® Cry34Ab1 Bulk Grain ^{1,2} | Bt-Cry34Ab1 | Corn | 10001331 |
| AgraStrip® PMI Seed & Leaf ¹ | PMI | Corn, Wheat | 10001332 |
| AgraStrip® PMI ¹ | PMI | Corn | 10001333 |
| AgraStrip® Cry1Ac Seed and Leaf ¹ | Bt-Cry1Ac | Corn, Cotton, Soy, Rice | 10001334 |
| AgraStrip® Cry1Ac Bulk Grain ^{1,2} | Bt-Cry1Ac | Corn, Cotton | 10001335 |
| AgraStrip® DMO Bulk Grain ^{1,2} | DMO | Soy and Cotton | 10001336 |
| AgraStrip® DMO Seed and Leaf ¹ | DMO | Soy and Cotton | 10001337 |
| AgraStrip® Cry2Ab ¹ | Bt-Cry2Ab | Corn, Cotton | 10001338 |
| AgraStrip® EPSPS ¹ | mEPSPS | Corn | 10001339 |
| AgraStrip® EPSPS Seed and Leaf ¹ | mEPSPS | Corn, Cotton | 10001340 |
| AgraStrip® Vip Seed and Leaf ¹ | Vip3A | Corn, Cotton | 10001341 |
| AgraStrip® Vip Bulk Grain ^{1,2} | Vip3A | Corn | 10001342 |
| AgraStrip® Cry2Ab Seed and Leaf ¹ | Bt-Cry2Ab | Corn, Cotton, Soy | 10001343 |
| AgraStrip® eCry3.1Ab Bulk Grain ¹ | eCry3.1Ab | Corn | 10001344 |
| AgraStrip® eCry3.1Ab Seed and Leaf ¹ | eCry3.1Ab | Corn | 10001345 |
| AgraStrip® Cry1Ac-S Bulk Grain ^{1,2} | Bt-Cry1Ac | Soy | 10001346 |
| AgraStrip® RUR Toasted Meal ¹ | CP4 EPSPS | Toasted Soy | 10001462 |
| AgraStrip® Triple Trait Bulk Grain ¹ | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, Bt-Cry3Bb | Corn | 10001487 |
| Comb Strips | Trait | Commodity | Item No. |
| AgraStrip® Corn Comb w/VIP3A ¹ | CP4 EPSPS, PAT, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, Bt-Cry3Bb1, Bt-Cry1F, Bt-Cry34Ab1, VIP3A | Corn | 10001490 |
| AgraStrip® Quantitative Low-LOD Corn Comb Bulk Grain ² | CP4 EPSPS, PAT, Vip3A, Bt-Cry1Ac, Bt-Cry3Bb, Bt-Cry1F, Bt-Cry34Ab1 | Corn | 10001491 |
| AgraStrip® Quantitative Corn Comb Bulk Grain ² | CP4 EPSPS, PAT, Vip3A, Bt-Cry1Ac, Bt-Cry3Bb, Bt-Cry1F, Bt-Cry34Ab1 | Corn | 10001492 |
| AgraStrip® Quantitative Soy Comb Bulk Grain ^{1,2} | CP4 EPSPS, PAT | Soy | 10001493 |
| AgraStrip® Cottonseed Screening Comb Bulk Grain ¹ | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, PAT | Cotton | 10006121 |
| AgraStrip® Corn Screening Comb Bulk Grain ¹ | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, PAT, PMI | Corn | 10006122 |

¹ qualitative

² quantitative

1



Collect a representative sample of seeds and grind them to a powder.

2



Collect a representative sample of seeds and grind them to a powder.

3



Close the bag, shake for 15 seconds and allow the extract to settle. Transfer the extract into a conical microtube.

4



Insert the strip into the conical microtube and incubate it.* If quantitatively measured, read the strip in the AgraVision™ reader.

* see package insert