

EverGol[®] Energy

The flexible and effective broad-spectrum seed treatment.



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NEW FORMULATION

Responding to industry feedback, Bayer Crop Science is pleased to announce the registration of a new formulation of EverGol[®] Energy seed treatment. This formulation has been developed to improve EverGol Energy's handling and flowability, including reducing the amount of product buildup on machinery. The label is unchanged and key agronomic strengths remain such as industry leading control of loose smut in barley and suppression of rhizoctonia in cereals.

On-property testing

In 2022 the new formulation of EverGol Energy was applied under permit to wheat or barley grain at six locations across Western Australia, South Australia and Victoria using a range of seed treating equipment. In all trials, seed grader operators found the new formulation an improvement over the original EverGol Energy formulation. In each trial large tonnages of grain were treated to assess performance of the new formulation.

Key observations from this work were;

- None of the seed grader operators reported additional clean down was required after using EverGol Energy
- Buildup on seed grading and treating equipment was negligible after large volumes of seed were treated
- No growers reported issues handling treated seed through air seeders
- EverGol Energy was tested in combination with a range of products including Gaucho[®] Red 600 FS, Cruiser[®] 350FS, Stoller Zinc Chelate and EzyFlow Nano[®] Zinc.

Flow rates;

- Seed treated with the new formulation either alone or with a mixing partner had a faster flow rate than the original formulation of EverGol Energy through all seed treating equipment tested
- Seed treated with the low rate of EverGol Energy (130 mL/100 kg) flowed faster than seed treated with the higher rate (260 mL/100 kg) through all seed treating equipment tested

Active ingredient loading levels

- 18 field samples were taken and tested. There was negligible difference between grain samples tested with the old and new formulations, indicating correct calibration was easily achieved

Low dust profile;

- Samples taken from the trials (all had mix partners) were tested for dust levels. The new formulation showed a very low dust profile with levels below 0.4 g/100 kg seed for these samples
- 28 samples were laboratory tested. The results showed the new formulation had similar levels of dust or lower levels of dust than the original formulation with an average improvement of 15%

Product buildup

- Can occur when multiple products are applied in seed treating systems
- Reducing the water rate when mixing EverGol Energy and Gaucho Red may improve the flowability
- When applying the lower rate of EverGol Energy (130 mL/100 kg) if build up occurs adding Inteco Seed Treatment additive at 20 mL/100 kg will help reduce it
- The addition of zinc products (such as Ezyflow Zn and Stoller Zn) and higher rates of Gaucho can cause additional build-up on augers, reducing seed flow rates

Flicking or repeating off belt outload systems

- Occurred more often when the higher rate of EverGol Energy (260 mL/100 kg) was applied
- Adding Stoller Zn reduced flicking/repeating
- At high throughput using an air jet can reduce flicking or repeating when EverGol Energy is used in combination with Cruiser 350 or Gaucho Red

Seed safety and emergence

- No germination or emergence issues were reported by growers after planting seed treated with the new formulation of EverGol Energy
- Laboratory seed safety testing over the past two seasons on wheat and barley showed no issues

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In summary;

- Product buildup, flow rates and dust levels were all improved when using the new EverGol Energy formulation when compared with the original formulation through seed grading and treating equipment
- Although there were no issues in any seed grading equipment or with growers' equipment at seeding some handling challenges occurred in certain situations. On occasions, there was increased buildup on equipment when transferring grain after application of the new formulation of EverGol Energy when used in combination with the high rate of Gaucho Red
- No issues were observed when using the low rate of Gaucho (1.2 L/t) or with Cruiser[®]350 (1 L/t)
- Using the lower rate of Gaucho or the use of Cruiser will trade off some insecticidal activity but can result in improved grain handling
- The addition of Inteco can improve seed handling particularly in combination with the high rate of Gaucho and low rates of EverGol Energy

ACTIVE CONSTITUENTS

Metalaxyl 61.4 g/L

Penflufen 38.4 g/L

Prothioconazole 76.8 g/L

CHEMICAL GROUPS

4, 7 & 3



CROP	DISEASES CONTROLLED	DISEASES SUPPRESSED
WHEAT	Common bunt (<i>Tilletia</i> spp.) Loose smut (<i>Ustilago</i> spp.) Flag smut, seed and soil borne (<i>Urocystis agropyri</i>)	Crown rot, natural field infestation (<i>Fusarium pseudograminearum</i>) Pythium root rot (<i>Pythium</i> spp.) Rhizoctonia root rot (<i>Rhizoctonia solani</i>) Fusarium head blight and crown rot seed borne only (<i>Fusarium</i> spp.) White grain disorder (<i>Eutiarosporella</i> spp.)
BARLEY	Loose smut (<i>Ustilago</i> spp.) Covered smut (<i>Ustilago segetum</i>)	Crown rot, natural field infestation (<i>Fusarium pseudograminearum</i>) Pythium root rot (<i>Pythium</i> spp.) Rhizoctonia root rot (<i>Rhizoctonia solani</i>) Fusarium head blight and crown rot seed borne only (<i>Fusarium</i> spp.)
OATS	Loose smut (<i>Ustilago</i> spp.)	Crown rot, natural field infestation (<i>Fusarium pseudograminearum</i>) Pythium root rot (<i>Pythium</i> spp.) Rhizoctonia root rot (<i>Rhizoctonia solani</i>)
TRITICALE	Loose smut (<i>Ustilago</i> spp.)	Crown rot, natural field infestation (<i>Fusarium pseudograminearum</i>) Pythium root rot (<i>Pythium</i> spp.) Rhizoctonia root rot (<i>Rhizoctonia solani</i>)



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