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Don Agro International and Smart Polymorph Technologies pioneer latest pharmaceutical innovations for the agricultural sector

- The Group launched a joint pilot project with Russian-based Smart Polymorph Technologies to introduce the latest pharmaceutical innovations to optimise crop production
- Formulated using Smart Polymorph's proprietary polymorphic modification technology, new plant growth bio-stimulators are expected to raise crop yields and minimise production costs
- 50 hectares of arable land have been earmarked as a test bed for the application of the growth bio-stimulators

Singapore, 29 September 2021 – Don Agro International Limited (the “Company” or “Don Agro”) and its subsidiaries (collectively the “Group”), one of the largest agricultural companies based in the Rostov region of Russia, is pleased to announce the launch of its joint pilot project with Smart Polymorph Technologies (“Smart Polymorph”) to introduce the latest pharmaceutical innovations to optimise crop production for the agricultural sector. Headquartered in the high-tech Skolkovo Innovation Center in Moscow, Russia, Smart Polymorph specialises in developing new, improved and patentable forms of pharmaceutical substances.

As part of this pilot program, both Don Agro and Smart Polymorph are working towards enhancing crop production yields and minimising costs through the use of well-known plant growth bio-stimulants that have been modified into new crystalline and amorphous forms via the latter's polymorphic modification technology. To support research efforts, the Group earmarked experimental plots totalling 50 hectares of three different crops, namely winter wheat, corn and sunflower, as a test bed for the application of the new growth bio-stimulator.

According to Smart Polymorph, pharmaceutical drugs which they had developed prior to the latest venture displayed higher therapeutic effect as compared to existing market alternatives, even as the amount of active substances used were reduced by three to five times. This is due to the technology's ability to modify the morphology and crystalline form of the respective substances, and manage the control of particle sizes and amount of impurities, thereby ensuring that the end product achieves the highest quality standards.

“Smart Polymorph harnesses a unique technology in polymorphic modification of organic substances that is suitable and can be applied to a wide variety of medicines and bioactive substances used in the agro-industrial complex.”, explains **Mr Yakovlev Ruslan, Director of Science of Smart Polymorph Technologies**. He added, *“Leveraging on our proprietary technology, we have been able to modify substances that have proved to be more superior and efficient than other alternatives currently existing in*

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the market. Backed by our successful track record to-date, we are confident that the same technology can be applied to the agricultural sector to enhance the effectiveness of plant growth stimulants, pesticides and other related substances.”

On this latest initiative, **Mr Marat Devlet-Kildejev, Chief Executive Officer of Don Agro** commented, *“Over the years, we have continued to introduce modern farming techniques, adopt new technologies and implement industry best practices to set ourselves apart from our industry peers. This has included entering the market for organic wheat as well as adopting AI-powered autonomous driving technology to enhance our crop harvesting capabilities. Our latest joint pilot program is a step in the same direction as we apply new and innovative pharmaceutical technologies to our crop fields to achieve maximum crop yields at the lowest cost. Supported by our renowned partner in Smart Polymorph Technologies, we are confident that this initiative will reinforce our position as one of the leading innovators in the agricultural sector.”*

Since April 2021, the Group has begun cultivating winter wheat using bio-stimulants supplied by Smart Polymorph, with experimental efforts for corn and sunflower crops next in the pipeline. Once the respective crops have been harvested, an analysis of yields and quality of the final product will be carried out by the Group to determine the growth bio-stimulant’s effectiveness. The introduction of bio-stimulants does not incur additional costs to the Group as the processes and technology required for sowing seeds and growing crops remain unchanged.

– The End –

About Don Agro International Limited

Don Agro is one of the largest agricultural companies in the Rostov region in Russia principally engaged in the cultivation of agricultural crops and production of raw milk. The Group is also engaged in crop production in the Volgograd region in Russia. The Group has a total controlled land bank of 67,340 hectares, of which more than 54,420 hectares are arable land. The Group owns approximately 17,200 hectares of its controlled land bank.

The Group’s operations are principally located in the Rostov region, one of the most fertile regions of Russia, situated close to the Azov and Black Seas and the Don River which house major international ports. The Group’s second operating division in the Volgograd region is located in close proximity to key trading routes including the Volga River. This allows the Group’s customers, who are mainly traders and exporters, to save on transportation costs and, as a result, be able to offer higher prices for the Group’s crops. Within the crop production segment, the Group is primarily engaged in the farming of commercial crops such as winter wheat, sunflower and corn.

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In addition, the Group is the largest milk producer in the Rostov region and owns more than 4,000 heads of dairy cattle which includes approximately 2,200 milking cows.

Issued for and on behalf Don Agro by Financial PR

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Don Agro International Limited (the "Company") was listed on Catalist of the Singapore Exchange Securities Trading Limited (the "Exchange") on 14 February 2020. The initial public offering of the Company was sponsored by PrimePartners Corporate Finance Pte. Ltd. (the "Sponsor").

This press release has been reviewed by the Company's Sponsor. It has not been examined or approved by the Exchange and the Exchange assumes no responsibility for the contents of this document, including the correctness of any of the statements or opinions made or reports contained in this document.

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