

## BPCL Introduces MAK ADJOL AGRI UNIVERSAL to Enhance Crop Protection and Sustainable Farm Productivity

**Mumbai, April 14, 2026:** Bharat Petroleum Corporation Limited (BPCL), a Fortune Global 500 company and a Maharatna PSU, today introduced MAK ADJOL AGRI UNIVERSAL, an advanced agricultural adjuvant spray oil designed to improve spray performance, optimize pesticide use, and support sustainable farming practices across range to crops and fruits.

At a time when Indian agriculture is navigating rising food demand, climate variability, and increasing sustainability expectations, efficient crop protection has become critical. Studies indicate that nearly 30–70% of sprayed inputs are lost due to drift, runoff, evaporation, and inadequate leaf coverage—leading to higher costs, inconsistent pest control, and environmental concerns.

MAK ADJOL AGRI UNIVERSAL addresses these challenges by acting as a performance enhancer within Integrated Pest Management (IPM) systems. Developed using patented technology, it improves wetting, spreading, adhesion, penetration, and rainfastness, thereby maximizing the effectiveness of applied agrochemicals without increasing chemical dosage.

The product has undergone extensive field validation across diverse crops and agro-climatic zones in collaboration with leading agriculture institutions. Results demonstrate enhanced spray efficiency, improved pest control efficacy, and zero phytotoxicity, delivering tangible benefits for example but not limited:

- **Banana:** ~36% yield improvement; ~68% reduction in leaf spot disease
- **Tea:** Up to 20% yield increase; ~30% improvement in pesticide efficacy
- **Citrus (Orange):** Up to 20% improved efficacy against psylla; ~10% against aphids
- **Cotton:** ~10% yield improvement and efficacy enhancement
- **Cardamom:** ~20% reduction in pesticide usage; ~30% savings in water consumption

MAK ADJOL AGRI UNIVERSAL is biodegradable, non-phytotoxic, and safe for beneficial organisms, aligning with sustainable agriculture goals while preserving ecological balance. The product is suitable for organic farming and NSF certified, reinforcing its quality and safety standards.

As agriculture increasingly shifts toward precision and efficiency, MAK ADJOL AGRI UNIVERSAL offers a smarter, sustainability-driven solution—delivering better outcomes with optimized inputs and reduced environmental impact.

The recommended dosage ranges from 0.25% to 1%, depending on crop type and application requirements.

### About Bharat Petroleum Corporation Ltd. (BPCL):

Fortune Global 500 Company, Bharat Petroleum is the second largest Indian Oil Marketing Company and one of the integrated energy companies in India, engaged in refining of crude oil and marketing of petroleum products, with presence in the upstream and downstream sectors of the oil and gas industry. The company attained the coveted Maharatna status, joining the club of companies having greater operational & financial autonomy.

Bharat Petroleum's Refineries at Mumbai, Kochi and Bina have a combined refining capacity of around 35.3 MMTPA. Its marketing infrastructure includes a network of installations, depots, fuel stations, aviation service stations and LPG distributors. Its distribution network comprises over 25,300+ Fuel Stations, over 1000+ CNG stations, over 6,250+ LPG distributorships, 440+ Lubes distributorships, 81 POL storage locations, 56 LPG Bottling Plants, 81 Aviation Service Stations, 5 Lube blending plants and 6 cross-country pipelines.

Bharat Petroleum is integrating its strategy, investments, environmental and social ambitions to move towards a sustainable planet. The company has Electric vehicle charging stations at 6800+ Fuel Stations. With a focus on sustainable solutions, the company is developing an ecosystem and a road-map to become a Net Zero Energy

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Company by 2040, in Scope 1 and Scope 2 emissions. Bharat Petroleum has been partnering communities by supporting several initiatives connected primarily in the areas of education, water conservation, skill development, health, community development, capacity building and employee volunteering. With 'Energising Lives' as its core purpose, Bharat Petroleum's vision is to be an admired global energy company leveraging talent, innovation & technology.

### **About MAK Lubricants:**

MAK Lubricants, a flagship global brand of Bharat Petroleum Corporation Limited (BPCL), commands an enviable presence in the automobile and industrial lubricant sector in India, with a growing footprint in overseas markets. With 400+ grades, MAK Lubricants provides top-notch solutions for a wide spectrum of applications.

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