



Jaguar Space is sending seeds to the ISS for a group of national space agencies, governments, academia, and think tanks in 11 countries and across 5 continents. Image Credit: Jaguar Space/Ivan Castro Guatemala.



SEEDS FROM 11 COUNTRIES GOING TO ISS FOR RESEARCH

Cape Canaveral, FL, USA – July 29, 2025 — Jaguar Space, the bioastronautics consulting and access-to-space firm, today announces that the “Emerging Space Nation’s Space for Agriculture & Agriculture for Space” payload—a unique, internationally sourced collection of seeds—is scheduled to launch to the International Space Station aboard NASA’s Crew-11 mission on July 31, 2025. The Falcon 9 rocket will lift off from Kennedy Space Center, with docking at the ISS expected in early August.

The World Seeds payload brings together a globally diverse collection of plant species contributed by research institutions and space organizations across eleven countries. From Nigeria, the payload includes okro, cowpea, sorghum, groundnut, amaranth, maize, and egusi melon—crops central to local diets and economies. Argentina has contributed peanut seeds, while Pakistan provides wheat, and Egypt sends its

iconic Egyptian cotton. Armenia adds pomegranate seeds, representing both cultural heritage and climate resilience.

India contributes sea buckthorn and Himalayan tartary, nutrient-rich plants native to high-altitude regions. From Guatemala, two varieties of maize—*Zea mays* and the wild species *Zea luxurians*—highlight the region’s rich agricultural ancestry since the Maya and before. Costa Rica is flying pest-resistant strains of sweet pepper and tomato developed at the Universidad de Costa Rica. Brazil, in partnership with the University of Florida, USA, includes a selection of native orchids, perennial grass (*Paspalum notatum*), and strawberries. Representing coastal ecosystems, Maldives is studying the mangrove species *Avicennia marina*, vital for climate adaptation and shoreline protection. The seeds from Nigeria, Armenia, Pakistan, and Egypt were chosen by the The Karman Project, headquartered in Berlin, Germany.

This mission underscores Jaguar Space’s commitment to international collaboration. As the initiative’s lead, Jaguar Space is enabling researchers, educators, and think tanks from across Africa, Asia, Europe, and Latin America to participate in spaceflight research.

“Beyond its scientific potential to advance research on climate resilience and global food security, the World Seeds payload represents a meaningful step toward ensuring that, as humanity becomes a spacefaring civilization, the millennia-old knowledge, biodiversity, and cultural heritage of communities around the world are carried forward as an essential part of that journey,” said Dr. Luis Zea, Founder of Jaguar Space.

Mission: NASA Crew-11 (Expedition 73/74)

Currently scheduled **launch date/time:** 12:09 p.m. EDT, July 31, 2025



“Emerging Space Nation’s Space for Agriculture & Agriculture or Space” Payload patch.

Institutions Involved

Argentinian Space Agency (CONAE), The Brazilian Agricultural Research Corporation (Embrapa), The University of Florida, Universidad de Costa Rica, India's Protoplanet, the Maldives Space Research Organization (MSRO), Guatemala's National Secretariat of Science and Technology (SENACYT) and Guatemalan Institute of Agricultural Science and Technology (ICTA), the Nigerian Space Agency (NASRDA), The Karman Project, The SETI Institute, Deep Space Initiative, and Space in Africa.

About Jaguar Space

Jaguar Space is a bioastronautics and access-to-space firm, helping customers turn space into a competitive advantage. With deep expertise in spaceflight research, international collaboration, and commercial strategy, Jaguar Space supports clients across government, academia, and industry in navigating and thriving within the global space economy.

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