



## Conserving Biodiversity in Plantations



The Company strives to preserve biodiversity by maintaining natural balance. In the long term, this will bring benefits to the entire oil palm plantation. This balance is a prerequisite for the integrated pest management system that the Company applies.

The Company preserves areas with high conservation value (HCV), and several conservation areas were designated in 2010:

- Sumatra Area:
  - PT Tunggal Perkasa Plantations 3
- South Kalimantan Area:
  - PT Subur Agro Makmur
  - PT Persada Dinamika Lestari
  - PT Tribuana Mas
- East Kalimantan Area:
  - PT Suksestani Nusasubur
- Central Kalimantan Area:
  - PT Nirmala Agro Lestari
  - PT Agro Menara Rahmat
  - PT Gunung Sejahtera Yöli Makmur
  - PT Gunung Sejahtera Puti Pesona

In 2010 the Company also carried out these special conservation programs:

- The Astra Mangrove Conservation (AMC) program, conducted by PT Letawa in Mamuju Utara Regency, West Sulawesi.
- The Astra Agro Biodiversity Conservation (AABC) program, conducted by PT Suksestani Nusasubur in Penajam Paser Utara Regency, East Kalimantan and by PT Karyanusa Ekadaya in Kutai Timur Regency, East Kalimantan.

Research conducted by the Company in several conservation areas has identified a number of protected species, some of which are listed by IUCN, including the storm's stork (*Ciconia stormi*), lesser adjutant (*Leptopilus javanica*), large green pigeon (*Treron capellei*), Java mouse-deer (*Tragulus javanicus*), Malayan porcupine (*Hystrix brachyura*), Malayan sun bear (*Helarctos malayanus*), Sunda pangolin (*Manis javanica*), pigtail macaque (*Macaca nemestrina*), leopard cat (*Prionailurus bengalensis*), and grey gibbon (*Hylobates muelleri*) among animal species. Plant species include Borneo ironwood (*Eusideroxyon zwagerii*), Meranti (*Shorea* sp), Kayu Kapur (*Dryobalanops b. dryer*), Kruing gajah (*Dipterocarpus cornutus*), Banggeris (*Koompassia excels*), and pitcher plant (*Nepenthes* sp).

The Company's plantations are generally located far from the conservation zones stipulated by Law

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No. 5 of 1990 on Conservation of Natural Resources (i.e. nature preserves, wildlife reserves, national parks, botanical gardens, game reserves, and nature recreation parks). Based on the coordinate positions of the cultivation right areas and the conservation zones, the plantation closest to a conservation zone is PT Borneo Indah Marjaya, which is 33 km from the Teluk Apar nature preserve.

Since these distances are relatively great, it is clear that the oil palm cultivation activities will not have any significant impact on the conservation zones designated by the government, especially since the oil palm plantation management emphasizes ecological values.

The Company has identified and evaluated important natural ecosystems and habitats located in its cultivation right areas, and dedicated part of this land as conservation areas. These identified areas contain high biodiversity, varying from one plantation to the next.

PROPINSI PROVINCE	NAMA PT NAME OF COMPANY (PT)		LUAS KEBUN PLANTATION AREA (ha)	LUAS HCV HCV AREA (ha)
<b>Nanggroe Aceh Darussalam</b>	TUNGGAL PERKASA PLANTATION-3	(TP3)	4.993,50	3.230,00
<b>Kalimantan Tengah</b> Central Kalimantan	AGRO MENARA RAKHMAT	(AMR)	7.405,00	357,75
	NIRMALA AGRO LESTARI	(NAL)	11.215,05	473,00
	GUNUNG SEJAHTERA PUTI PESONA	(SPP)	9.076,16	60,00
	GUNUNG SEJAHTERA YOLI MAKMUR	(SYM)	4.398,00	9,32
<b>Kalimantan Timur</b> East Kalimantan	KARYANUSA EKA DAYA-1	(KE1)	19.158,00	1.406,00
	SUMBER KHARISMA PERSADA	(SKP)	7.485,00	2.682,71
	SUKSES TANI NUSA SUBUR	(STN)	7.936,93	2.017,86
	BORNEO INDAH MARJAYA	(BIM)	10.311,00	371,21
<b>Kalimantan Selatan</b> South Kalimantan	TRIBUANA MAS	(TBM)	18.500,00	5.321,35
	SUBUR AGRO MAKMUR	(SAM)	12.173,00	1.164,44
	PERSADA DINAMIKA LESTRAI	(PDL)	6.435,00	1.504,00
<b>Sulawesi Tengah</b> Central Sulawesi	CIPTA AGRO NUSANTARA	(CAN)	3.862,00	116,82
	SAWIT JAYA ABADI-1	(SJA1)	2.664,40	1.693,00
	SAWIT JAYA ABADI-2	(SJA2)	8.500,00	3.281,00
	AGRO NUSA ABADI	(ANA)	8.845,00	1.047,00
	RIMBUNAN ALAM SEMESTA	(RAS)	2.000,00	264,00
<b>Sulawesi Barat</b> West Sulawesi	MAMJIANG	(MMG)	8.136,00	188,88
	LETAWA	(LTW)	10.297,00	220,00
	PASANG KAYU	(PSK)	9.319,10	258,48
	SURYA RAYA LESTARI	(SRL)	2.825,90	632,90

Daftar lokasi dan luas area HCV pada beberapa anak perusahaan PT Astra Agro Lestari Tbk.  
Locations and sizes of High Conservation Value (HCV) areas in several subsidiaries of PT Astra Agro Lestari Tbk.