



NDRRMC UPDATE

Severe Weather Bulletin No. 12 re Super Typhoon "LAWIN" (I.N. HAIMA)

Releasing Officer:


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Source: PAGASA-DOST

I. SITUATION OVERVIEW

Super typhoon "LAWIN" has maintained its strength as it continues to threaten Cagayan – Isabela Area.

- Estimated rainfall amount is from moderate to heavy within the 800 km diameter of the Super Typhoon.
- It is expected to make landfall over Cagayan - Isabela Area late tonight (11:00 PM) up to tomorrow early morning (October 20, 2016) (2:00 AM) then will cross Apayao and Ilocos Norte
- Possible to exit PAR tomorrow evening (20 October 2016)
- Sea travel is risky over the eastern seaboard of Southern Luzon and the northern and eastern seaboard of Samar

Location of Eye/Center	At 7:00 PM today, the eye of Super Typhoon "LAWIN" was located based on all available data at 175 km East Northeast of Casiguran, Aurora or at 200 km East Southeast of Tuguegarao City (17.1°N, 123.5°E)
Strength	Maximum sustained winds of up to 225 kph near the center and gustiness of up to 315 kph
Forecast Movement	Forecast to move West Northwest at 25 kph
Forecast Positions	<ul style="list-style-type: none"> • 24 Hour (Tomorrow Afternoon): 285 km West Northwest of Laoag City, Ilocos Norte (19.4°N, 118.2°E) • 48 Hour (Friday Afternoon): 740 km West Northwest of Basco Batanes (OUTSIDE PAR) (22.8°N, 115.3°E) • 72 Hour (Saturday Afternoon): 960 km Northwest of Basco, Batanes (OUTSIDE PAR) (27.2°N, 116.1°E) • 96 Hour (Sunday Afternoon): 945 km North Northwest of Basco, Batanes (OUTSIDE PAR)

<p><i>PAR) (28.9°N, 121.6°E)</i></p> <ul style="list-style-type: none"> • 120 hour (Monday Afternoon): <i>1,265 km Northeast of Basco, Batanes (OUTSIDE PAR)</i> <i>(28.0°N, 131.3°E)</i> 				
TROPICAL CYCLONE WARNING SIGNAL				
TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
5 (More than 220 kph Expected in 12 hours)	Cagayan, Isabela, Kalinga Apayao, Northern Abra and Ilocos Norte			<ul style="list-style-type: none"> • Widespread damage to high risk structures • Heavy damage to medium risk structures • Very heavy damage to low risk structures • Almost total damage to structures of light materials especially in highly exposed coastal areas • Complete roof failure on many residences and industrial building. Severe an extensive window and door damage • Most residential and institutional buildings of mixed construction may be severely damage • Electrical power distribution and communication services severely disrupted • All signs and billboard blown down • Total damage to Banana plantation • Most tall trees are broken, uprooted or defoliated • Coconut trees are stooped, broken or uprooted • Few plants and trees survived
				<ul style="list-style-type: none"> • Wave Height: (Open Sea) > 14.0 meters. Storm Surge 3 m possible at coastal areas.
4 (171-220 kph Expected in 12 hours)	Rest of Abra, Ilocos Sur, Mt. Province, Ifugao and Calayan Group of Islands			<ul style="list-style-type: none"> • Very heavy damage to high risk structures. • Heavy damage to medium-risk structures. • Moderate damage to low risk structures. • Considerable damage to structures of light materials. Majority of all nippa and cogon houses may be unroofed or destroyed. • Houses of medium

				<p>strength materials (old, timber or mixed timber-CHB structures, usually with G.I. roofing's); some warehouses or bodega-type structures are unroofed.</p> <ul style="list-style-type: none"> • There may be widespread disruption of electrical power and communication services • Almost all banana plants are downed • Some big trees (acacia, mango, etc.) are broken or uprooted • Dwarf-type or hybrid coconut trees are tilted or downed • Rice and corn crops may suffer heavy losses
<p>• Wave Height: (Open Sea) > 14.0 meters. Storm Surge 2-3 m possible at coastal areas.</p>				
<p>3 (121-170 kph Expected in 18 hours)</p>	<p>La Union, Benguet, Nueva Vizcaya, Quirino and Northern Aurora</p>			<ul style="list-style-type: none"> • Heavy damage to high risk structures. • Moderate damage to medium-risk structures. • Light damage to low risk structures. • Increasing damage (up to more than 50%) to old dilapidated residential structures and houses of light materials. Majority of all nippa and cogon houses may be unroofed or destroyed. • Houses of medium strength materials (old, timber or mixed timber-CHB structures, usually with G.I. roofing's); some warehouses or bodega-type structures are unroofed. • There may be widespread disruption of electrical power and communication services • Almost all banana plants are downed • Some big trees (acacia, mango, etc.) are broken or uprooted • Dwarf-type or hybrid coconut trees are tilted or downed • Rice and corn crops may

				<p>suffer heavy losses</p> <ul style="list-style-type: none"> • Damage to shrubbery and trees with foliage blown off; some large trees blown down.
Wave Height: (Open Sea) > 14.0 meters. Storm Surge possible at coastal areas.				
2 (61-120 kph Expected in 24 hours)	Batanes Group of Islands, Pangasinan, Rest of Aurora, Tarlac, Nueva Ecija, Northern Zambales, and Northern Quezon including Polillio Islands			<ul style="list-style-type: none"> • Light to moderate damage to high risk structures. • Very light to light damage to medium-risk structures. • No damage to very light damage to low risk structures. • Unshielded, old dilapidated schoolhouses, makeshift shanties, and other structures of light materials are partially damaged or unroofed. • A number of nipa and cogon houses may be partially or totally unroofed. • Some old galvanized iron (G.I.) roofs may be peeled or blown off. • Some wooden, old electric posts are tilted or downed. • Some damage to poorly constructed signs/billboards. • In general, the winds may bring light to moderate damage to the exposed communities. Most banana plants, a few mango trees, ipil-ipil and similar types of trees are downed or broken. • Rice and corns may be adversely affected. • Considerable damage to shrubbery and trees with some heavy-foliaged trees blown down.
				Wave Height: (Open Sea) 4.1-14.0 meters Storm surge possible at coastal areas
TROPICAL CYCLONE WARNING SIGNAL				
TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
1 (30-60 kph Expected in 36 hours)	Rest of Zambales, Bulacan, Bataan, Pampanga, Rizal, Rest of			<ul style="list-style-type: none"> • Very light or no damage to low risk structures. • Light damage to medium to high risk structures

	<p>Quezon, Cavite, Laguna, Batangas, Camarines Norte, Camarine Sur , Catanduanes, Albay, and Metro Manila,</p>			<ul style="list-style-type: none"> • Slight damage to some houses of very light materials or makeshift structures in exposed communities. Some banana plants are tilted, a few downed and leaves are generally damaged. • Twigs of small trees maybe broken. • Rice crops, however, may suffer significant damage when it is in its flowering stage.
<p>Wave Height: (Open Sea) 1.25-4.0 meters</p>				

The public and the disaster risk reduction and management councils (DRRMCs) concerned are advised to take appropriate actions and watch for the next weather bulletin to be issued at **11 PM today**.

II. ACTIONS TAKEN

- NDRRM Operations Center disseminated **Severe Weather Bulletin No. 11 for Super Typhoon "LAWIN"** to all OCD Regional Offices through SMS and facsimile and uploaded on the NDRRMC website for further dissemination to their respective local DRRMCs from the provincial down to the municipal levels.
- Directed RDRRMCs concerned through the OCD Regional Offices to undertake precautionary measures in their areas of responsibility (AOR) and subsequently advised local DRRMCs to initiate pre-emptive evacuation of families in low-lying areas and mountainous areas if situations warrants.