



## NDRRMC UPDATE

### Severe Weather Bulletin No. 09 re Typhoon "LAWIN" (I.N. HAIMA)

Releasing Officer:

  
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Source: PAGASA-DOST

#### I. SITUATION OVERVIEW

**"LAWIN" further intensified and continues to pose an impending threat over Cagayan – Isabela Area.**

- Estimated rainfall amount is from moderate to heavy within the **700 km** diameter of the Typhoon.
- It is expected to intensify further before making a landfall
- It is expected to make landfall over Cagayan - Isabela Area late tonight (11:00 PM) up to tomorrow early morning (20 October 2016, 2:00 AM) then will cross Apayao and Ilocos Norte
- Possible to exit PAR tomorrow evening (20 October 2016) or on Friday early morning (21 October 2016)
- Sea travel is risky over the eastern seaboard of Southern Luzon and the northern and eastern seaboard of Samar

<b>Location of Eye/Center</b>	At <b>10:00 AM</b> today, the eye of Typhoon "LAWIN" was located based on all available data at <b>385 km East of Casiguran, Aurora (16.2°N, 125.7°E)</b>
<b>Strength</b>	Maximum sustained winds of up to <b>220 kph</b> near the center and gustiness of up to <b>305 kph</b>
<b>Forecast Movement</b>	Forecast to move <b>West Northwest at 26 kph</b>
<b>Forecast Positions</b>	<ul style="list-style-type: none"><li>• <b>24 Hour (Tomorrow Morning):</b> <i>In the vicinity of Currimao, Ilocos Norte (18.0°N, 120.5°E)</i></li><li>• <b>48 Hour (Friday Morning):</b> <i>515 km West Northwest of Laoag City, Ilocos Norte (OUTSIDE PAR) (20.4°N, 116.3°E)</i></li><li>• <b>72 Hour (Saturday Morning):</b> <i>905 km West Northwest of Basco, Batanes (OUTSIDE PAR) (24.2°N, 114.2°E)</i></li><li>• <b>96 Hour (Sunday Morning):</b> <i>955 km North Northwest of Basco, Batanes (OUTSIDE PAR)</i></li></ul>

	<p>(28.2°N, 118.0°E)</p> <ul style="list-style-type: none"> <li>• <b>120 hour (Monday Morning):</b> 1,235 km Northeast of Basco, Batanes (OUTSIDE PAR) (29.3°N, 129.3°E)</li> </ul>			
<b>TROPICAL CYCLONE WARNING SIGNAL</b>				
TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<b>4</b> (171-220 kph Expected in 12 hours)	<b>Southern Cagayan and Isabela</b>			<ul style="list-style-type: none"> <li>• Very heavy damage to high risk structures.</li> <li>• Heavy damage to medium-risk structures.</li> <li>• Moderate damage to low risk structures.</li> <li>• Considerable damage to structures of light materials. Majority of all nippa and cogon houses may be unroofed or destroyed.</li> <li>• 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.</li> <li>• There may be widespread disruption of electrical power and communication services</li> <li>• Almost all banana plants are downed</li> <li>• Some big trees (acacia, mango, etc.) are broken or uprooted</li> <li>• Dwarf-type or hybrid coconut trees are tilted or downed</li> <li>• Rice and corn crops may suffer heavy losses</li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Wave Height: (Open Sea) &gt; 14.0 meters. Storm Surge 2-3 m possible at coastal areas.</b></li> </ul>
<b>3</b> (121-170 kph Expected in 18 hours)	Rest of Cagayan, Abra, Apayao, <b>Ilocos Sur, Ilocos Norte</b> , Mt. Province, Ifugao, <b>Quirino, Kalinga and Northern Aurora</b>			<ul style="list-style-type: none"> <li>• Heavy damage to high risk structures.</li> <li>• Moderate damage to medium-risk structures.</li> <li>• Light damage to low risk structures.</li> <li>• 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.</li> </ul>



				<ul style="list-style-type: none"> <li>• 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.</li> <li>• There may be widespread disruption of electrical power and communication services</li> <li>• Almost all banana plants are downed</li> <li>• Some big trees (acacia, mango, etc.) are broken or uprooted</li> <li>• Dwarf-type or hybrid coconut trees are tilted or downed</li> <li>• Rice and corn crops may suffer heavy losses</li> <li>• Damage to shrubbery and trees with foliage blown off; some large trees blown down.</li> </ul>
<b>Wave Height: (Open Sea) &gt; 14.0 meters. Storm Surge possible at coastal areas.</b>				
<b>2</b> (61-120 kph Expected in <b>24</b> hours)	<b>Calayan Group of Islands, La Union, Benguet, Nueva Vizcaya, Pangasinan, Nueva Ecija, Rest of Aurora and Tarlac</b>			<ul style="list-style-type: none"> <li>• Light to moderate damage to high risk structures.</li> <li>• Very light to light damage to medium-risk structures.</li> <li>• No damage to very light damage to low risk structures.</li> <li>• Unshielded, old dilapidated schoolhouses, makeshift shanties, and other structures of light materials are partially damaged or unroofed.</li> <li>• A number of nipa and cogon houses may be partially or totally unroofed.</li> <li>• Some old galvanized iron (G.I.) roofs may be peeled or blown off.</li> <li>• Some wooden, old electric posts are tilted or downed.</li> <li>• Some damage to poorly constructed signs/billboards.</li> <li>• 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.</li> <li>• Rice and corns may be</li> </ul>

				adversely affected. <ul style="list-style-type: none"> <li>• Considerable damage to shrubbery and trees with some heavy-foliaged trees blown down.</li> </ul>
	Wave Height: (Open Sea) 4.1-14.0 meters at coastal areas			Storm surge possible

TROPICAL CYCLONE WARNING SIGNAL				
TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<b>1</b> (30-60 kph Expected in <b>36 hours</b> )	Batanes Group of Islands, Zambales, Pampanga, Bulacan, Bataan, Northern Quezon including Polilio Islands, Metro Manila, Rizal, Cavite, Laguna, Camarines Norte, Camarine Sur and Catanduanes			<ul style="list-style-type: none"> <li>• Very light or no damage to low risk structures.</li> <li>• Light damage to medium to high risk structures</li> <li>• 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.</li> <li>• Twigs of small trees maybe broken.</li> <li>• Rice crops, however, may suffer significant damage when it is in its flowering stage.</li> </ul>
	Wave Height: (Open Sea) 1.25-4.0 meters			

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 **2 PM today**.

## II. ACTIONS TAKEN

- NDRRM Operations Center disseminated **Severe Weather Bulletin No. 09 for 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.