

## Impact-Based Forecasting: SEVERE THUNDERSTORMS Impact Table



Minimal	Minor	Significant	Severe
Business as usual	Business as usual	Short term strain on	Prolonged strain on emergency
		emergency personnel	personnel
General (applicable	General (applicable also to	General (applicable also to flooding,	General (applicable also to flooding,
also to flooding,	flooding, wind and hail):	wind and hail):	wind and hail):
wind and hail)	<ul> <li>Localised damage to</li> </ul>	<ul> <li>Injuries and danger to life</li> </ul>	<ul> <li>Injuries and danger to life</li> </ul>
	infrastructure, settlements	Damage or loss of infrastructure,	Widespread damage or loss of
	(informal), property,	settlements (formal and	infrastructure, property, vehicles,
	vehicles, livelihood and	informal), property, vehicles,	livelihood and livestock
	livestock  Localised and short term	livelihood and livestock	Widespread major travel
	<ul> <li>Localised and short term disruption to municipal and</li> </ul>	Major travel disruptions (incl route obstructions) and incidents	disruptions (incl route obstructions) and incidents
	other essential services	<ul> <li>Disruption of municipal and other</li> </ul>	Widespread disruption of municipal
	(Education, health,	essential services (Education,	and other essential services
	communication and power	health, communication and	(Education, health, communication
	supply)	power supply)	and power supply)
	<ul> <li>Localised loss of agricultural</li> </ul>	<ul> <li>Loss of agricultural production</li> </ul>	Widespread loss of agricultural
	production		production
Flooding:	Flooding:	Flooding:	Flooding:
<ul> <li>Some Pooling</li> </ul>	Localised flooding of	• Flooding of roads,	Widespread flooding of low-
of water on	susceptible roads, low-lying	settlements a <mark>nd low-lyin</mark> g	lying areas, resulting in closure
roads- resulting	areas and bridges	areas, resulting in closure of	of some bridges and major
in minimal traffic route	Minor vehicle accidents	some bridges and roads	roads
disruption		Displacement of affected communities	<ul> <li>Widespread displacement of affected communities</li> </ul>
<ul> <li>Day to day activities</li> </ul>		Danger to life (fast flowing)	Danger to life (fast flowing
not disturbed		streams / deep water)	streams / deep water)
Hail:	Hail:	Hail:	Hail:
<ul> <li>No hail or small</li> </ul>	Large amounts of small	Large amounts of small hail	<ul> <li>Large amounts of small hail over</li> </ul>
amount of small	hail over an open area	over a populated area	a widespread, populated area
hail	Large hail over an open	Large hail over a populated	<ul> <li>Large hail over a widespread,</li> </ul>
	area	area	populated area
	Localised damage to	Damage to vehicles	Widespread damage to vehicles
	vehicles	Structural damage (homes,	Widespread structural damage     (hamage and parts at a)
	Localised structural     damage (homes, car	car ports etc)	(homes, car ports etc)
	ports etc)		
Winds:	Winds:	Winds:	Winds:
Day to day	Localised damage to	Damage to settlements or	Tornado observed and
activities not	settlements over an	structures over a populated	confirmed over populated area
disturbed	open area	area (urban or rural villages)	Widespread damage to
	Falling trees blocking	Falling trees blocking major	settlements or structures over a
	minor roads	roads	populated area (urban or rural
	Localised injuries due to      String debris	Injuries due to flying debris	villages)
	flying debris		<ul> <li>Widespread injuries due to flying debris</li> </ul>
Lightning:	Lightning:	Lightning:	Lightning:
Day to day	Localised fire incidents	Fire incidents (dwelling/veld	Widespread fire (dwelling/veld
activities not	(dwelling/veld fire)	fire)	fire)
disturbed			

Document: Impact tables: Severe Thunderstorms

Version: 1.0



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- Localised service disruption due to power surges/disruptions
- Localised injuries (humans and livestock) and localised damage to property
- Disruption of services due to power surges/disruptions
- Danger to life (humans and livestock) and damage to property
- Widespread, prolonged service disruption due to power surges/disruptions
- Danger to life (humans and livestock) and damage to property over a widespread area



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