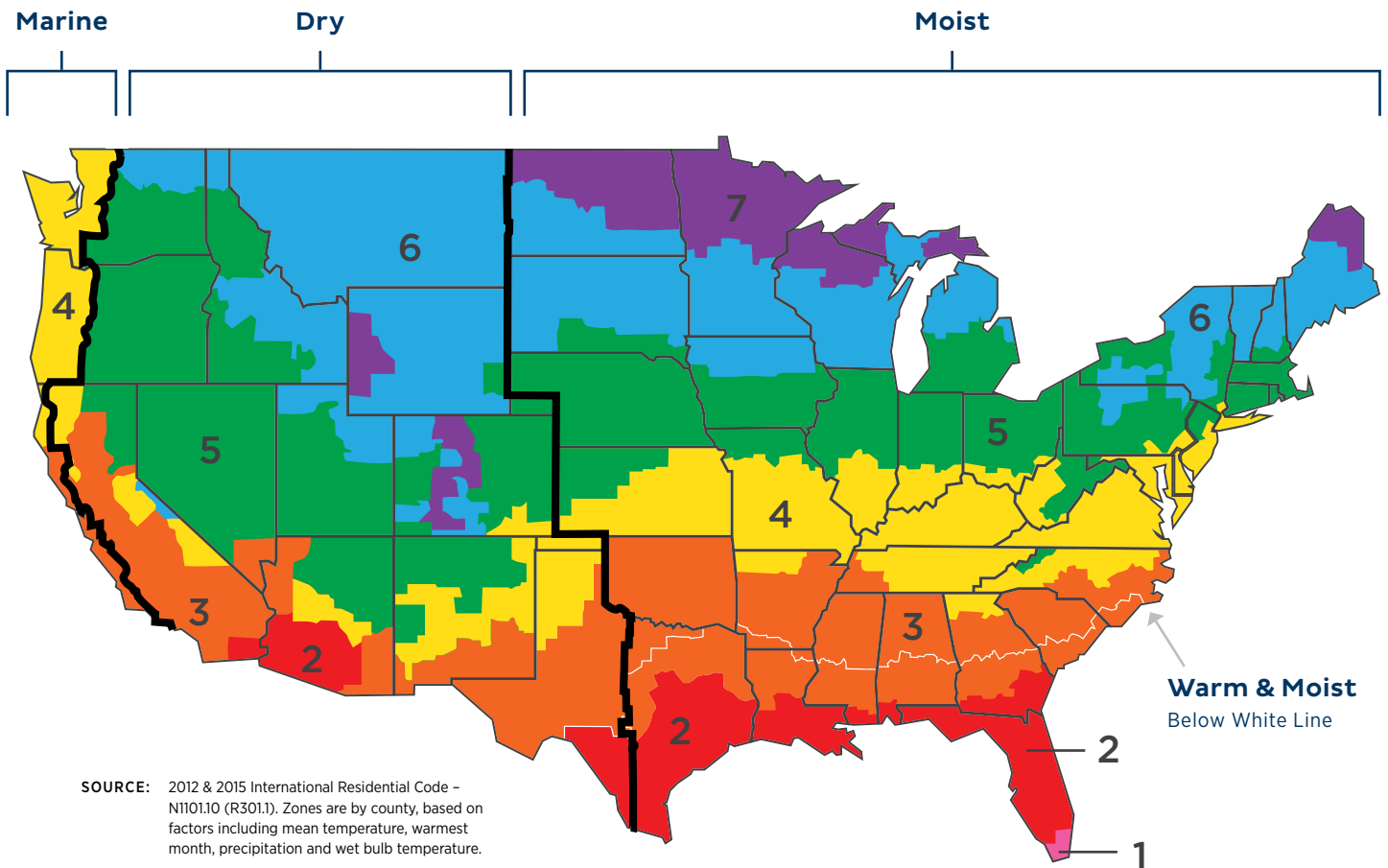


# Ventilation climate zones

Managing the quality of ventilated air delivered into the home is critical to providing a healthy indoor environment. The requirements change significantly based on climate. Aprilaire ventilation solutions work with the HVAC equipment to remove moisture, harmful particulates and other contaminants such as VOCs. It's critical to use intelligent ventilation controls and application guidance to properly ventilate rather than relying on exhaust ventilation which simply pulls air through walls.



Use this map and the adjoining application guide to determine the recommended product solution for your climate. These recommendations are based on moisture removal demands, energy savings and integration with the HVAC equipment.

ZONE	CLIMATE TYPE	MAJOR CITIES	PRIMARY SOLUTION <sup>1</sup>	FRESH AIR DUCTED <sup>2</sup>	ECONOMY- OR COMFORT-FOCUSED SOLUTION	MULTI-FAMILY NEW CONSTRUCTION SOLUTION
1	Hot & Moist	Miami	<b>8192</b> Dehumidifies incoming ventilation air	HVAC Return	<b>8140 or 8126X</b>	<b>8144NC</b>
2	Hot & Moist	Orlando, Mobile, New Orleans, Houston, Austin, San Antonio	<b>8192</b> Dehumidifies incoming ventilation air	HVAC Return	<b>8140 or 8126X</b>	<b>8144NC</b>
2	Hot & Dry	Phoenix, Tucson	<b>8142</b> Mixes ventilation air after cooling or heating	HVAC Supply	<b>8126X</b>	<b>8144NC</b>
3	Warm & Moist	Charlotte, Charleston, Atlanta, Little Rock, Oklahoma City, DFW	<b>8192</b> Dehumidifies incoming ventilation air	HVAC Return	<b>8140 or 8126X</b>	<b>8144NC</b>
3	Warm & Dry	El Paso, Las Vegas, Los Angeles, Sacramento	<b>8142</b> Mixes ventilation air after cooling or heating	HVAC Supply	<b>8126X</b>	<b>8144NC</b>
3	Warm & Marine	San Francisco, San Jose	<b>8142</b> Mixes ventilation air after cooling or heating	HVAC Supply	<b>8140 or 8126X</b>	<b>8144NC</b>
4	Mixed & Moist	Philadelphia, Washington DC, Baltimore, Nashville, St. Louis, Wichita, Louisville	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Return	<b>8191, 8192 or 8126X</b>	<b>8144NC</b>
4	Mixed & Dry	Albuquerque, Amarillo	<b>8142</b> Mixes ventilation air after cooling or heating	HVAC Supply	<b>8140 or 8126X</b>	<b>8144NC</b>
4	Mixed & Marine	Portland, Seattle	<b>8142</b> Mixes ventilation air after cooling or heating	HVAC Supply	<b>8140 or 8126X</b>	<b>8144NC</b>
5	Cool & Moist	Boston, Pittsburgh, Columbus, Indianapolis, Detroit, Chicago, Des Moines, Omaha	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Return	<b>8126X</b>	<b>8144NC</b>
5	Cool & Dry	Denver, Salt Lake City, Boise, Reno	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Supply or Return	<b>8142 or 8126X</b>	<b>8144NC</b>
6	Cold & Moist	Toronto, Vancouver, Milwaukee, Madison, Minneapolis-St Paul, Sioux Falls	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Return	<b>8126X</b>	<b>8144NC</b>
6	Cold & Dry	Helena, Cheyenne	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Return	<b>8126X</b>	<b>8144NC</b>
7	Extreme Cold & Moist	Fargo, Duluth, Calgary, Edmonton	<b>8140</b> Mixes ventilation air prior to cooling or heating	HVAC Return	<b>8126X</b>	<b>8144NC</b>

<sup>1</sup> Primary Aprilaire recommended supply ventilation solution for optimal performance and building code adherence.

<sup>2</sup> HVAC application considerations based upon moist versus dry air, and proper mixing into the ductwork.

