

# Ayacucho Region, Central Andes, PERU

## Cactaceae Diversity in the Ayacucho Region

Efrain Suclli Montañez<sup>1</sup>, Janelly I. Paucara Nuñez<sup>2</sup>, Jesus Tello Velarde<sup>3</sup>

<sup>1</sup> Universidad Nacional San Antonio Abad Cusco, <sup>2</sup> Universidad Nacional Jorge Basadre Grohmann Tacna, <sup>3</sup>GORE Ayacucho

Photos: Efrain Suclli. Produced by Efrain Suclli [esuclli.unsaac@gmail.com] y Janelly Paucara with the assistance of Valéria Sampaio, Field Museum. Species designated with "End" are endemic to Ayacucho. The information below species names referred to their specific location occurrences (province/locality). This guide's species can be found in the follow provinces: Huamanga, La Mar, Lucanas, Luis Carranza, Parinacochas, Paucar Sara Sara, and Sucre.



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1 *Armatocereus matucanensis*  
PAUCAR SARA SARA: Pausa



2 *Austrocylindropuntia floccosa*  
LUCANAS: Pampa Galeras



3 *Austrocylindropuntia floccosa*  
LUCANAS: Pampa Galeras



4 *Austrocylindropuntia floccosa*  
LUCANAS: Pampa Galeras



5 *Austrocylindropuntia floccosa*  
LUCANAS: Pampa Galeras



6 *Austrocylindropuntia subulata*  
SUCRE: Querobamba



7 *Austrocylindropuntia subulata*  
SUCRE: Querobamba



8 *Austrocylindropuntia subulata*  
SUCRE: Querobamba



9 *Austrocylindropuntia subulata*  
SUCRE: Querobamba



10 *Austrocylindropuntia subulata*  
SUCRE: Querobamba



11 *Brasiliopuntia* sp. nov.  
LA MAR: Oronccooy  
End.



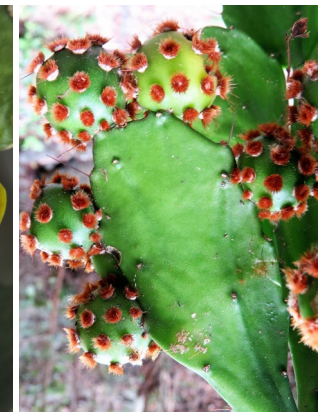
12 *Brasiliopuntia* sp. nov.  
LA MAR: Oronccooy  
End.



13 *Brasiliopuntia* sp. nov.  
LA MAR: Oronccooy  
End.



14 *Brasiliopuntia* sp. nov.  
LA MAR: Oronccooy  
End.



15 *Brasiliopuntia* sp. nov.  
LA MAR: Oronccooy  
End.


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16 *Browningia columnaris*  
LUIS CARRANZA: Pampas  
End.



17 *Browningia columnaris*  
LUIS CARRANZA: Pampas  
End.



18 *Browningia columnaris*  
LUIS CARRANZA: Pampas  
End.



19 *Browningia columnaris*  
LUIS CARRANZA: Pampas  
End.



20 *Browningia columnaris*  
LUIS CARRANZA: Pampas  
End.



21 *Browningia hertlingiana*  
HUAMANGA: J. Nazareno



22 *Browningia hertlingiana*  
HUAMANGA: J. Nazareno



23 *Browningia hertlingiana*  
HUAMANGA: J. Nazareno



24 *Browningia hertlingiana*  
HUAMANGA: J. Nazareno



25 *Browningia hertlingiana*  
HUAMANGA: J. Nazareno



26 *Cereus* sp.  
LA MAR: Oroncco  
End.



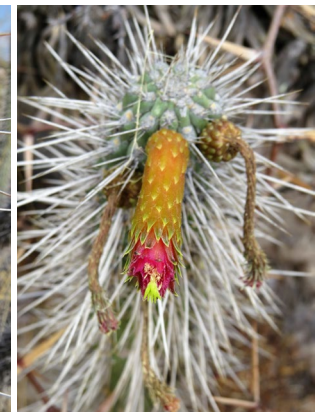
27 *Cereus* sp.  
LA MAR: Oroncco  
End.



28 *Cleistocactus morawetzianus*  
HUAMANGA: Ayacucho



29 *Cleistocactus morawetzianus*  
HUAMANGA: Ayacucho



30 *Cleistocactus morawetzianus*  
HUAMANGA: Ayacucho

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31 *Cleistocactus morawetzianus*  
HUAMANGA: Ayacucho



32 *Cleistocactus morawetzianus*  
HUAMANGA: Ayacucho



33 *Cleistocactus pungens*  
LUCANAS: Aucara



34 *Cleistocactus pungens*  
LUCANAS: Aucara



35 *Cleistocactus pungens*  
LUCANAS: Aucara



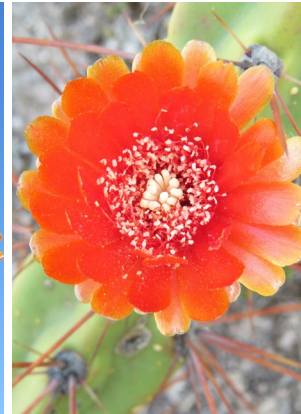
36 *Corryocactus ayacuchoensis*  
HUAMANGA: Ayacucho  
End.



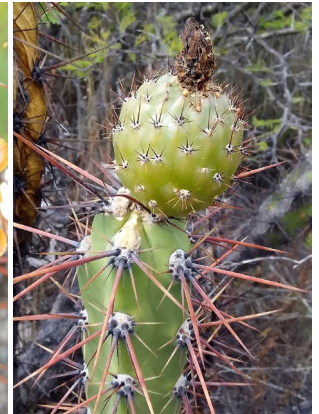
37 *Corryocactus ayacuchoensis*  
HUAMANGA: Ayacucho  
End.



38 *Corryocactus ayacuchoensis*  
HUAMANGA: Ayacucho  
End.



39 *Corryocactus ayacuchoensis*  
HUAMANGA: Ayacucho  
End.



40 *Corryocactus ayacuchoensis*  
HUAMANGA: Ayacucho  
End.



41 *Corryocactus brevistylus*  
PARINACOCHAS: Cora Cora



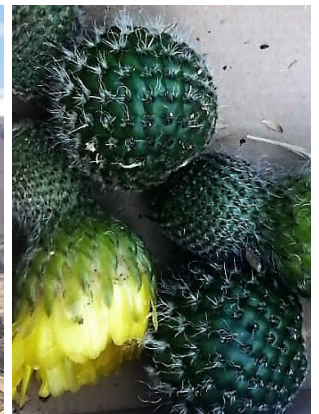
42 *Corryocactus brevistylus*  
PARINACOCHAS: Cora Cora



43 *Corryocactus brevistylus*  
PARINACOCHAS: Cora Cora



44 *Corryocactus brevistylus*  
PARINACOCHAS: Cora Cora



45 *Corryocactus brevistylus*  
PARINACOCHAS: Cora Cora

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46 *Corryocactus quadrangularis*  
LUCANAS: Andamarca

End.



47 *Corryocactus quadrangularis*  
LUCANAS: Andamarca

End.



48 *Corryocactus quadrangularis*  
LUCANAS: Andamarca

End.



49 *Corryocactus quadrangularis*  
LUCANAS: Andamarca

End.



50 *Corryocactus quadrangularis*  
LUCANAS: Andamarca

End.



51 *Corryocactus* sp.  
HUAMANGA: Pacaycasa



52 *Corryocactus* sp.  
HUAMANGA: Pacaycasa



53 *Corryocactus* sp.  
HUAMANGA: Pacaycasa



54 *Corryocactus* sp.  
HUAMANGA: Pacaycasa



55 *Corryocactus* sp.  
HUAMANGA: Pacaycasa



56 *Cumulopuntia zehnderi*  
PARINACOCHAS: Sara Sara



57 *Cumulopuntia zehnderi*  
PARINACOCHAS: Sara Sara



58 *Cumulopuntia zehnderi*  
PARINACOCHAS: Sara Sara



59 *Cumulopuntia zehnderi*  
PARINACOCHAS: Sara Sara



60 *Cumulopuntia zehnderi*  
PARINACOCHAS: Sara Sara

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61 *Cylindropuntia tunicata*  
HUAMANGA: Pacaycasa



62 *Cylindropuntia tunicata*  
HUAMANGA: Pacaycasa



63 *Lobivia backebergii*  
HUAMANGA: Ayacucho



64 *Lobivia backebergii*  
HUAMANGA: Ayacucho



65 *Lobivia backebergii*  
HUAMANGA: Ayacucho



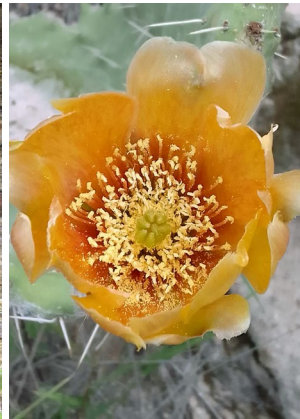
66 *Lobivia backebergii*  
HUAMANGA: Ayacucho



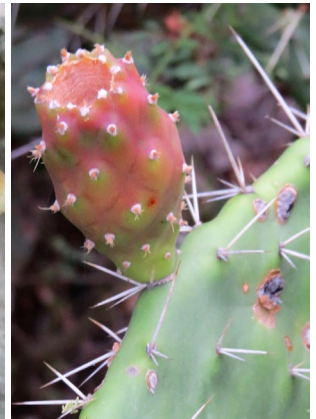
67 *Opuntia ficus-indica*  
HUAMANGA: Ayacucho



68 *Opuntia ficus-indica*  
HUAMANGA: Ayacucho



69 *Opuntia ficus-indica*  
HUAMANGA: Ayacucho



70 *Opuntia ficus-indica*  
HUAMANGA: Ayacucho



71 *Opuntia ficus-indica*  
HUAMANGA: Ayacucho



72 *Opuntia pestifer*  
LUIS CARRANZA: Pampas



73 *Opuntia pestifer*  
LUIS CARRANZA: Pampas



74 *Opuntia pestifer*  
LUIS CARRANZA: Pampas



75 *Opuntia* sp.  
LUIS CARRANZA: Pampas


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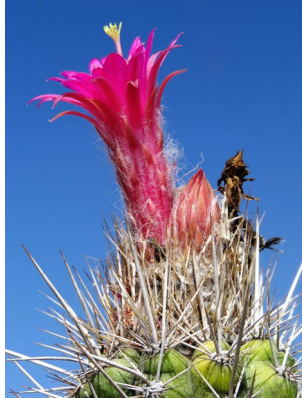
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76 *Oreocereus doelzianus*  
HUAMANGA: Ayacucho



77 *Oreocereus doelzianus*  
HUAMANGA: Ayacucho



78 *Oreocereus doelzianus*  
HUAMANGA: Ayacucho



79 *Oreocereus doelzianus*  
HUAMANGA: Ayacucho



80 *Oreocereus doelzianus*  
HUAMANGA: Ayacucho



81 *Oreocereus leucotrichus*  
LUCANAS: Aucara



82 *Oreocereus leucotrichus*  
LUCANAS: Aucara



83 *Oreocereus leucotrichus*  
LUCANAS: Aucara



84 *Oreocereus leucotrichus*  
PARINACOCHAS: Sara Sara



85 *Oreocereus leucotrichus*  
PARINACOCHAS: Sara Sara



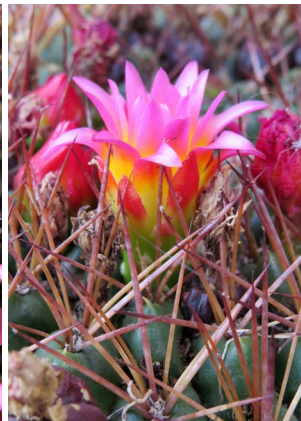
86 *Oroya peruviana*  
HUAMANGA: Vinchos



87 *Oroya peruviana*  
HUAMANGA: Vinchos



88 *Oroya peruviana*  
HUAMANGA: Vinchos



89 *Oroya peruviana*  
HUAMANGA: Vinchos



90 *Oroya peruviana*  
HUAMANGA: Vinchos

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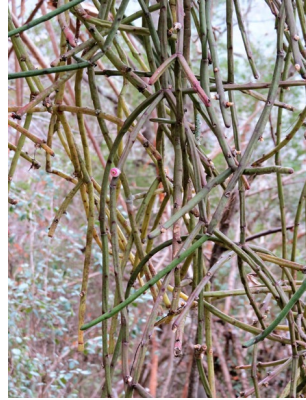
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91 *Pseudorhipsalis* sp.  
LA MAR: Chunqui



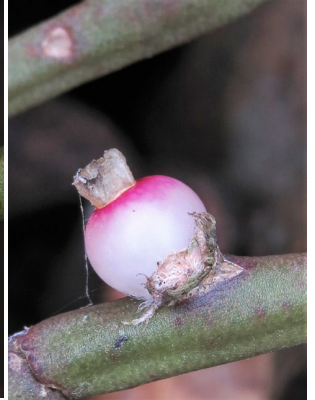
92 *Rhipsalis* sp.  
LA MAR: Oronccooy



93 *Rhipsalis* sp.  
LA MAR: Oronccooy



94 *Rhipsalis* sp.  
LA MAR: Oronccooy



95 *Rhipsalis* sp.  
LA MAR: Oronccooy



96 *Trichocereus cuzcoensis*  
LUCANAS: Andamarca



97 *Trichocereus cuzcoensis*  
LUCANAS: Andamarca



98 *Trichocereus cuzcoensis*  
LUCANAS: Andamarca



99 *Trichocereus cuzcoensis*  
LUCANAS: Andamarca



100 *Trichocereus cuzcoensis*  
LUCANAS: Andamarca



101 *Trichocereus macrogonus*  
HUAMANGA: WARI



102 *Trichocereus macrogonus*  
HUAMANGA: WARI



103 *Trichocereus macrogonus*  
HUAMANGA: WARI



104 *Trichocereus macrogonus*  
LUIS CARRANZA: Pampas



105 *Trichocereus macrogonus*  
LUIS CARRANZA: Pampas

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**106** *Trichocereus macrogonus*  
LUIS CARRANZA: Pampas



**107** *Trichocereus macrogonus*  
LUIS CARRANZA: Pampas



**108** *Trichocereus macrogonus*  
LUIS CARRANZA: Pampas



**109** *Tunilla soehrensii*  
LUCANAS: Aucara



**110** *Tunilla soehrensii*  
LUCANAS: Aucara



**111** *Tunilla soehrensii*  
LUCANAS: Aucara



**112** *Tunilla soehrensii*  
LUCANAS: Aucara



**113** *Tunilla soehrensii*  
LUCANAS: Aucara



**114** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**115** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**116** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**117** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**118** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**119** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



**120** *Weberbauerocereus cuzcoensis*  
HUAMANGA: Ocos



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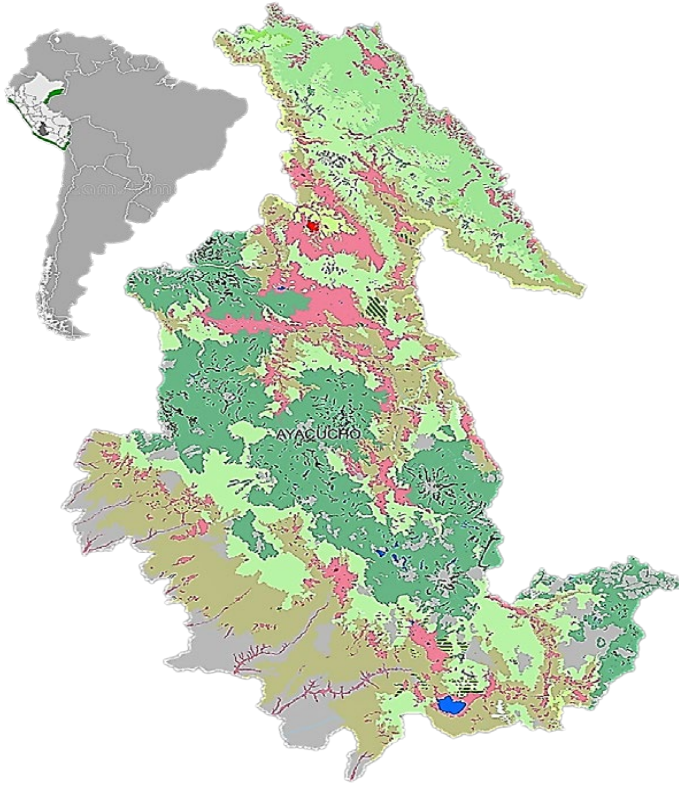
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121 Location Map of the Ayacucho in South America.

Ayacucho is located in the Peruvian region, encompassing both the Andes' eastern and western slopes. The east slope extends toward the northern Amazon, while the central and southern areas feature the Pampas River basin and the Galeras and Parinacochas plains. On the western side, the arid and semi-arid territories of Ica and Arequipa converge, creating a unique environment that supports a remarkable group of plants known as cacti. Currently, it is estimated that there are about 39 species of cacti in this region.



122 Parinacochas Lake and the Sara Sara Volcano.



123 Pampas River in the Ayacucho Region.

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**Table. Species of Cactaceae from the Ayacucho Region – Peru. In bold are the species represented with images in the guide.**

1	<i>Armatocereus matucanensis</i>	14	<i>Corryocactus brevistylus</i>	27	<i>Opuntia pubescens</i>
2	<i>Austrocylindropuntia floccosa</i>	15	<i>Corryocactus quadrangularis</i> (Endemic)	28	<b><i>Opuntia</i> sp.</b>
3	<i>Austrocylindropuntia subulata</i>	16	<i>Corryocactus squarrosus</i>	29	<b><i>Oreocereus doelzianus</i></b>
4	<i>Borzicactus hystrix</i>	17	<b><i>Corryocactus</i> sp.</b>	30	<i>Oreocereus doelzianus</i> subsp. <i>calvus</i>
5	<i>Brasiliopuntia brasiliensis</i>	18	<i>Cumulopuntia boliviana</i>	31	<b><i>Oreocereus leucotrichus</i></b>
6	<b><i>Brasiliopuntia</i> sp. nov.</b> (Endemic)	19	<i>Cumulopuntia sphaerica</i>	32	<b><i>Oroya peruviana</i></b>
7	<i>Browningia columnaris</i> (Endemic)	20	<b><i>Cumulopuntia zehnderi</i></b>	33	<b><i>Pseudorhipsalis</i> sp.</b>
8	<b><i>Browningia hertlingiana</i></b>	21	<i>Cylindropuntia tunicata</i>	34	<i>Punotia lagopus</i>
9	<i>Cereus</i> sp. (Endemic)	22	<b><i>Lobivia backebergii</i></b>	35	<b><i>Rhipsalis</i> sp.</b> (Endemic)
10	<b><i>Cleistocactus morawetzianus</i></b>	23	<i>Lobivia tegeleriana</i>	36	<b><i>Trichocereus cuzcoensis</i></b>
11	<b><i>Cleistocactus pungens</i></b>	24	<i>Matucana haynii</i> subsp. <i>haynii</i>	37	<i>Trichocereus macrogonus</i> (Endemic)
12	<i>Corryocactus aureus</i>	25	<b><i>Opuntia ficus-indica</i></b>	38	<b><i>Tunilla soehrensii</i></b>
13	<b><i>Corryocactus ayacuchoensis</i></b> (Endemic)	26	<b><i>Opuntia pestifer</i></b>	39	<b><i>Weberbauerocereus cuzcoensis</i></b>