

# Introduction

Soil not only allows us to move by walking on it. It is also a varied landscape full of life, which enables plants to sustain and feed themselves. It is the place where many animals build their homes and find their food.

"Get to know soil with Dasy" is a coloring book guided by one of their inhabitants, Dasy, who knows, well this beautiful and hidden territory.

# Keep soil alive, protect soil biodiversity.

Dasy is a nine-banded armadillo (Dasypus novemcinctus). This species originated millions of years ago in South America, but ,since then, it has migrated north and now can also be found in Central and North America. Armadillos dig tunnels to live in and search for food.(1)

www.

Hi, my name is Dasy.





Match the text with the correct image. The soil here in the prairie is usually soft and has a dark color, that means it is very Dasy and friends rich with lots of nutrients for plants and other organisms. Although the grasses here are not very tall, their roots can be longer than the plants.<sup>(2)</sup> **Dear Dasy and friends** I live in a tropical dry forest where we have a dry and wet season. Most trees lose their leaves in the dry season. The soil here has a lot of stones, it is difficult to dig and the nutrients are mostly near the surface. But those nutrients help many different kinds of bugs live here. (2) Hi Dasy and friends I live in the tropical rain forest near the Amazon river. The climate here is typically warm and wet because it rains buckets year-round. These soils are very old and poor in nutrients because most of the nutrients are stored in the plants. (2)







Animals like earthworms, ants and termites improve the soil (by making it porous), aiding the flow of water and air, so plants and other organisms can can grow well. Where there is healthy soil, Dasy can find her favorite foods-ants and termites! Without healthy soil, life would cease to exist, because it provides countless services that can benefit many living things. For example, soil provides habitat, food, clean air and water not only for Dasy but for other organismsas as well. (3) And March March March Contenter Contenter Ants Termites Earthworms al I love to dig tunnels but there are many other types of small animals that can also make tunnels.

In some places, human activities like deforestation, fire, use of chemicals and dumping trash affect soil biodiversity and human health as well.(4)

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Pesticide

Humans are doing good things for soil by rotating crops, using compost to increase soil's natural nutrients, reducing the use of harmful chemicals and providing habitats for beneficial organisms.(4)

Compost

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Now that you know some things about soil, can you think about some of the benefits that healthy soil can provide to living organisms like you and me? Think about our food (like plants and animals), the water we drink, the air we breathe, the ecosystems where we can live. These are only a few things called "ecosystem services" that soil can provide not only for us, but for the millions of living organisms of our planet. Keep soil alive, protect soil biodiversity.



#### References

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4. Organización de las Naciones Unidas para la Alimentación y la Agricultura. 2018. Guía DE BUENAS PRÁCTICAS PARA LA GESTIÓN Y USO SOSTENIBLE DE LOS SUELOS EN ÁREAS RURALES Bogotá. http://www.fao.org/3/i8864es/I8864ES.pdf

### Credits

**Autors:** Alejandra Alvarado Zink, Ana Cecilia Lopera Gasca and Ilce Tlanezi Lara

Design and Ilustrations: Eirin A. Hernández-Alvarado

**Advisors:** Christina D. Siebe Grabach, Ma. del Pilar Ortega Larrocea and Rafael F. Márquez Caballero

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