

Caliche pampa 34 technical file

Registro SAG 247

I. IDENTIFICATION.

Product Name: Caliche Pampa 34

Identified uses: soil recovery and complementary fertilizer.

II. COMPOSITION.

Principal compound: composed by 34 microelements, 16 exploited by the plant and the rest 28 help to rebalance the ground.

Elaboration method: direct extraction from the "caliche" from the Antofagasta region of Chile.

Composition: pampa 34 is composed by the following elements.

Indispensable elements for the plant.

Element	%	Smbol
Nitrogen	1,5-2,5	N
Potassium	2,17	K
Phosphorus	0,02	P
Sodium	7,5	Na
Calcium	2,40	Ca
Magnesium	5,40	Mg
Sulfur	11,30	S
Iron	2,14	Fe
Manganese	0,035	Mn
Molybdenum	<8E,05	Mo
Boron	0,22	B
Iodine	0,05	I
Zinc	0,0075	Zn
Chlorine	3,4	Cl
Bromine	0,00028	Br
Copper	0,009	Cu

Elements involved in ground recovery.

Element	%	Symbol
Selenium	0,0012	Se
Antimony	0,00015	Sb
Chrome	0,0034	Cr
Gallium	<0,006	Ga
Germanium	<0,001	Ge
Lanthanum	0,0013	La
Rubidium	0,086	Rb
Silicon	6,0	Si
Strontium	0,24	Sr
Thallium	<6E-0,5	Ta
Titanium	0,28	Ti
Tungsten	<0,0015	W
Vanadium	0,0069	V
Thorium	0,00046	Th

Heavy metals

Element	% <	Symbol
Aluminum	1,9	Al
Lead	0,0032	Pb
Cobalt	0,00079	Co
Lithium	0,002	Li

III. CHARACTERISITICS.

Sensory: light brown color, iodine odor

Physics: micronized dust from 200

pH: 7, 8

IV.PROPERTIES.

- Recovery of soil, fertilizer also used as an organic amendment
- Natural product composed of 34 microelements, seaweed and sea salts.
- Nourishes, restores and fertilizes the soil at once.
- Improves texture and structure of the soil.
- Supplies nitrogen in two phases: Nitric, easily assimilated and Ammonium of slower assimilation, allowing the plant to have a supply of nitrogen throughout all its development.
- It is the only fertilizer which has Iodine and Selenium naturally.
- Provides Sodium, supplementing the beneficial action of potassium.
- Enhances the action of bacteria and flora useful for the soil, because of their pH and the influence of its components.
- Rejuvenates the plantations decayed by age or mishandling restoring its vigor.
- It can be applied at any time of planting. It doesn't produce toxicity.
- Product with IMO certification and SAG registration for organic farming.
- This product is developed with material from our own caliche allowing us to ensure quality and uniformity of the product.
- Before using pampa 34 is suggested to perform a soil test to determine the recommendation.

V. PRODUCT PRESENTATION.

Pampa 34 is on sale in solid form.

50 kg bags and 500-1000 kg big bags.



bags



500-1000 kg big bags

VI. RECOMENDATIONS

Method of application: Apply to the soil surface, broadcast, localized, in furrow, and in established orchards around the plant where it can be absorbed by the roots.

	Application with normal fertilization	Pre planting before last soil
Crop	Dose (kg/ha)	Dose (kg/ha)
Wheat	300-500	500-700
Wheat associated with forage	400-500	600-800
Oat	300-500	500-700
Rice	300-500	600-800
Potato	400-600	800-1000
Beet	500-700	900-1200
Tomato	300-500	700-900
Grass	400-600	600-800
Fruit		
Newly planted	30 -50 gr/ plant	In the planting hole
1 year	1 Kl /plant	Around the plant
2- 4 years	2 Kl /plant	Around the plant
4-6 years	4 Kl /plant	Around the plant
6-8 years	5 Kl /plant	Around the plant
10 or more years	7 Kl /plant	Around the plant
Industrial	Kg/ ha	
Vine	500-700	Bury in the groove
Sugar cane	600-800	On the plant
Coffee	700-1000	Around the plant or in the row
cotton	700-900	Around the plant or in the row
Forestry		
Newly planted	30-40 gr/plant	In the planting hole
1 year	80-100 gr/plant	Bury closet to the root
2-4 year	2 kg/plant	Around the plant
6-8 year	5 kg/plant	Around the plant

Applications can be only one time, or 2 to 3 times, depends on the species fertilization type.

VII. TRANSPORTATION AND STORAGE.

Do not store together with foodstuffs. Keep in the original container in a cool, dry place away from direct sunlight. Under these conditions maintains its properties and characteristics unaltered until its opening. In its original packaging, the product can develop very slight compaction which does not affect its properties and characteristics.

In the case of bulk storage should be noted that the product can always be used, however it is susceptible to losing their properties and initial concentrations nutrient by 1% per year so it's important to cover from the rain and direct sun light in a cool and dry place.